

PRICE LIST



**17.600G OEM pressure transmitter for Heavy Duty**

**Industrial pressure transmitter**

TYPE	Code e.g. 17.600G ,17.600G-1002-R-1-5-100-300-P-000	
17.600G	Pressure transmitter (0...6 / 600 bar)	
Code	Range	
6001	0.....6,0 bar	
1002	0....10,0 bar	
1602	0....16,0 bar	
2502	0....25,0 bar	
4002	0....40,0 bar	
6002	0.....60 bar	
1003	0...100 bar	
1603	0...160 bar	
2503	0...250 bar	
4003	0...400 bar	
6003	0...600 bar	
9999	Customer	
Code	Measured pressure	
R	Gauge	
Code	Output signal	
1	4...20 mA / 2 wire	
3	0...10 V / 3 wire	
R	10 ... 90% of Vs / 3-wire ratiometric (Vs = 2,7 ... 5 VDC)	
Code	Accuracy	
5	0,50%	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
C10	Plug Micro	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
TA0	Cable outlet / cable length specify (IP 68) + PVC cable / 1 m	
999	Customer	
Code	Mechanical connection	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852 (only with seals "P" )	
400	G 1/4" EN 837-1/-3 (manometric)	
N40	1/4" NPT	
999	Customer	
Code	Seals	
P	Without - welded + Viton (FKM)	
2	Without - welded	
9	Customer	
Code	Special version	
000	Standard	
007	Oxygen application (not possible with G 1/4 " DIN 3852)	
008	Oil and grease free	
999	Customer	

0,-.....without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration and temperature compensation are not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



**PRICE LIST**

**18.600G OEM pressure transmitter for Heavy Duty**



**Industrial pressure transmitter**

TYPE	Code e.g. 18.600G ,18.600G-1002-R-1-5-100-300-1-000
18.600G	Pressure transmitter (0...0,1 / 6 bar)
Code	Range
1000	0.....100 mbar
2500	0.....250 mbar
4000	0.....400 mbar
6000	0.....0,6 bar
1001	0.....1,0 bar
1601	0.....1,6 bar
2501	0.....2,5 bar
4001	0.....4,0 bar
6001	0.....6,0 bar
X102	-1...0 bar
9999	Customer
Code	Measured pressure
R	Gauge
Code	Output signal
1	4...20 mA / 2 wire
3	0...10 V / 3 wire
R	10 ... 90% of Vs / 3-wire ratiometric (Vs = 2,7 ... 5 VDC)
Code	Accuracy
5	0,50%
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
TA0	Cable outlet / cable length specify (IP 68) + PVC cable / 1 m
999	Customer
Code	Mechanical connection
300	G 1/4" DIN 3852 (only with seals "P" )
400	G 1/4" EN 837-1/-3 (manometric)
N40	1/4" NPT
999	Customer
Code	Seals
1	Viton (FKM)
9	Customer
Code	Special version
000	Standard
999	Customer

0,-.....without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

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PRICE LIST

26.600G OEM pressure transmitter



Industrial pressure transmitter

TYPE	Code e.g. 26.600G ,26.600G-1002-R-1-5-100-300-1-000
26.600G	Pressure transmitter (0...1 / 400 bar)
Code	Range
1001	0.....1,0 bar
1601	0.....1,6 bar
2501	0.....2,5 bar
4001	0.....4,0 bar
6001	0.....6,0 bar
1002	0...10,0 bar
1602	0...16,0 bar
2502	0...25,0 bar
4002	0...40,0 bar
6002	0.....60 bar
1003	0...100 bar
1603	0...160 bar
2503	0...250 bar
4003	0...400 bar
X102	-1.....0 bar (accuracy 1%)
XXXX	Customer - underpressure (accuracy 1%)
9999	Customer
Code	Measured pressure
R	Gauge
A	Absolute
Code	Output signal
1	4...20 mA / 2 wire
3	0...10 V / 3 wire
R	10 ... 90% of Vs / 3-wire ratiometric (Vs = 2,7 ... 5 VDC)
Code	Accuracy
5	0,50%
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
C10	Plug Micro
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
TA0	Cable outlet / cable length specify (IP 68) + PVC cable / 1 m
999	Customer
Code	Mechanical connection
200	G 1/2" EN 837-1/-3 (manometric)
300	G 1/4" DIN 3852
400	G 1/4" EN 837-1/-3 (manometric)
800	M 20 x 1,5 EN 837-1/-3 (manometric)
N40	1/4" NPT
999	Customer
Code	Seals
1	Viton (FKM)
3	EPDM
9	Customer
Code	Special version
000	Standard
007	Oxygen application (not possible with G 1/4 " DIN 3852)
008	Oil and grease free
999	Customer

0,-.....without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

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PRICE LIST

**30.600G OEM pressure transmitter**



**Industrial pressure transmitter**

TYPE	Code e.g. 30.600G ,30.600G-1002-R-1-8-100-300-2-1-000
30.600G	Pressure transmitter (0...1 / 400 bar)
Code	Range
1601	0.....1,6 bar
2501	0.....2,5 bar
4001	0.....4,0 bar
6001	0.....6,0 bar
1002	0...10,0 bar
1602	0...16,0 bar
2502	0...25,0 bar
4002	0...40,0 bar
6002	0.....60 bar
1003	0...100 bar
1603	0...160 bar
2503	0...250 bar
9999	Customer
Code	Measured pressure
R	Gauge
Code	Output signal
1	4...20 mA / 2 wire
3	0...10 V / 3 wire
R	10 ... 90% of Vs / 3-wire ratiometric (Vs = 2,7 ... 5 VDC)
Code	Accuracy
8	1%
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
C10	Plug Micro
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
TA0	Cable outlet / cable length specify (IP 68) + PVC cable / 1 m
999	Customer
Code	Mechanical connection
200	G 1/2" EN 837-1/-3 (manometric)
300	G 1/4" DIN 3852 (only with seals "P" )
800	M 20 x 1,5 EN 837-1/-3 (manometric)
N40	1/4" NPT
999	Customer
Code	Housing type
2	Standard
Code	Seals
1	Viton (FKM)
9	Customer
Code	Special version
000	Standard

0,-.....without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

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**DMP 331 for low pressures****Industrial pressure transmitter**

TYPE	Code e.g. DMP 331, 110-1002-1-5-100-100-1-000
DMP 331	Pressure transmitter (0...0,1 / 40 bar)
Code	Measured pressure
110	gauge (0...0,1 / 40 bar)
111	absolute (0...0,4/ 40 bar)
Code	Range
1000	0.....100 mbar
1600	0.....160 mbar
2500	0.....250 mbar
4000	0.....400 mbar
6000	0.....0,6 bar
1001	0.....1,0 bar
1601	0.....1,6 bar
2501	0.....2,5 bar
4001	0.....4,0 bar
6001	0.....6,0 bar
1002	0...10,0 bar
1602	0...16,0 bar
2502	0...25,0 bar
4002	0...40,0 bar
X102	-1.....0 bar
XXXX	Underpressure
9999	Customer
9999	Customer other range without line ( $0,5 \leq P_N < 1$ bar)
9999	Customer other range without line ( $0,25 \leq P_N < 0,5$ bar)
9999	customer other range without line ( $0,1 \leq P_N < 0,25$ bar)
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
4	0...5 V / 3-wire
5	0...1 V / 3-wire
6	1...6 V / 3-wire
7	4...20 mA / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Accuracy
5	0,50% ( $P_N \leq 0,4$ bar)
3	0,35% (standard $P_N > 0,4$ bar)
2	0,25% (for DMP 331) ( $P_N > 0,4$ bar)
1	0,1% (for DMP 331 $P_N > 1,6$ bar) (only 4...20 mA/2-wire or 0...10 V /3-wire)
B	0,20% (for DMP 331) ( $1 \leq P_N \leq 40$ bar) (only 4...20 mA/2-w. or 0...10 V /3-wire)
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)
S	0,35% calibration including certificate ( $P_N > 0,4$ bar)
R	0,25% calibration including certificate - for DMP 331 ( $P_N > 0,4$ bar)
Q	0,20% calibration including certificate - for DMP 331 ( $1 \leq P_N \leq 40$ bar) (only 4...20 mA/2-wire or 0...10 V /3-wire)
M	Measured values table for accuracy 0,35% (only on customer request)
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
200	Connector Binder Serie 723 5-pin (IP 67)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
TR0	Cable outlet / cable length specify (IP 68) + PVC cable / 1 m
500	Connector Buccaneer (IP 68)
800	Field housing stainless steel (IP 67)
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)

8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
<b>Code</b>	<b>Mechanical connection</b>	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852	
400	G 1/4" EN 837-1/-3 (manometric)	
500	M 20 x 1,5 DIN 3852	
600	M 12 x 1 DIN 3852	
700	M 10 x 1 DIN 3852	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
C00	M 12 x 1,5 DIN 3852	
F00	G 1/2" DIN 3852 with flush sensor diaphragm (only for $-0,3 \leq P_N < 40$ bar)	
F04	M 20 x 1,5 DIN 3852 with flush sensor diaphragm (only for $-0,3 \leq P_N < 40$ bar)	
G00	G 1/2" DIN 3852 with flush sensor diaphragm - welded (only with FFKM seal)	
H00	G 1/2" open port	
N00	1/2" NPT	
N40	1/4" NPT	
999	Customer	
<b>Code</b>	<b>Seals</b>	
1	Viton (FKM)	
F	Viton (FKM) up to $-40^{\circ}\text{C}$ (for special version 022)	
2	Without seals - welded (only with EN 837-1/-3; only for $0,16 \leq P_N < 40$ bar)	
3	EPDM	
7	FFKM	
9	Customer	
<b>Code</b>	<b>Specials versions</b>	
000	Standard	
006	Temperature compensation $-20 \dots +50^{\circ}\text{C}$	
022	Temperature compensation $-40 \dots +60^{\circ}\text{C}$ (only with seals "F" or welded "2")	
999	Customer	

0,-.....without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

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**DMP 333 for high pressures****Industrial pressure transmitter**

TYPE	Code e.g. DMP 333, 130-1003-1-5-100-100-5-000	
DMP 333	Pressure transmitter (0...60 / 600 bar)	
Code	Measured pressure	
130	gauge (0...60 / 600 bar)	
131	absolute (0...60 / 600 bar)	
Code	Range	
6002	0...60 bar	
1003	0...100 bar	
1603	0...160 bar	
2503	0...250 bar	
4003	0...400 bar	
6003	0...600 bar	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
2	0...20 mA / 3-wire	
3	0...10 V / 3-wire	
4	0...5 V / 3-wire	
5	0...1 V / 3-wire	
6	1...6 V / 3-wire	
7	4...20 mA / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
5	0,50%	
3	0,35%	
2	0,25%	
B	0,20% ( $P_N \leq 70$ bar)	
T	0,50% calibration including certificate	
S	0,35% calibration including certificate	
R	0,25% calibration including certificate	
Q	0,20% calibration including certificate ( $P_N \leq 70$ bar)	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
800	Field housing stainless steel (IP 67)	
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)	
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)	
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852	
400	G 1/4" EN 837-1/-3 (manometric)	
500	M 20 x 1,5 DIN 3852	
600	M 12 x 1 DIN 3852	
700	M 10 x 1 DIN 3852	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
C00	M 12 x 1,5 DIN 3852	
N00	1/2" NPT	
N40	1/4" NPT	

999	Customer	
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Code	Seals	
1	Viton (FKM)	
2	Without seals - welded (only with EN 837-1/-3; only for $P_N < 170$ bar)	
3	EPDM ( $P_N < 160$ bar)	
5	NBR (standard)	
9	Customer	
Code	Specials versions	
000	Standard	
006	Temperature compensation -20...+50 °C	
022	Temperature compensation -40...+60 °C (only with seals "F" or welded "2")	
999	Customer	

0,-.....without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

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## PRICE LIST

## PRESSURE TRANSMITTERS

## DMP 331i for low pressures

## Precision pressure transmitter



TYPE	Code e.g. DMP 331i, 110-1001-1-1-100-100-1-111, set up 0...0,5 bar	
DMP 331i	Pressure transmitter (0...0,4 / 40 bar)	
Code	Measured pressure	
110	gauge (0,4...40 bar)	
111	absolute (0,4...40 bar)	
Code	Range	
4000	0.....400 mbar	
1001	0.....1,0 bar	
2001	0.....2,0 bar	
4001	0.....4,0 bar	
1002	0...10,0 bar	
2002	0...20,0 bar	
4002	0...40,0 bar	
S400	-400.....400 mbar	
S102	-1.....1 bar	
V202	-1.....2 bar	
V402	-1.....4 bar	
V103	-1...10 bar	
XXXX	Underpressure	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
F	Intrinsic safety for mines M1 Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
1	0,10% of range	
P	0,10% of range with calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
R	0,25% calibration including certificate	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
800	Field housing stainless steel (IP 67)	
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)	
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)	
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)	
A00	Connector Binder Serie 723 7-pin (IP 67) (for Interface RS 232)	
E00	Increase of coverage for IP 67 (for connector DIN 43650)	
M00	M 12 x 1 (4-pin) (Binder 713)(IP 67)	
999	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852	
400	G 1/4" EN 837-1/-3 (manometric)	
500	M 20 x 1,5 DIN 3852	
600	M 12 x 1 DIN 3852	
700	M 10 x 1 DIN 3852	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
F00	G 1/2" DIN 3852 with flush sensor diaphragm (only for $-0,3 \leq P_N < 40$ bar)	

F04	M 20 X 1,5 DIN 3852 with flush sensor diaphragm (only for $-0,3 \leq P_N < 40$ bar)	
999	Customer	
<b>Code</b>	<b>Seals</b>	
1	Viton (FKM)	
2	Without seals - welded (only with EN 837-1/-3; only for $0,16 \leq P_N < 40$ bar)	
3	EPDM	
9	Customer	
<b>Code</b>	<b>Specials versions</b>	
111	Standard	
112	Temperature compensation $-30 \dots +80$ °C (only with seals "F" or welded "2")	
121	Interface RS 232 (only for connector Binder Serie 723 7-pin)	
999	Customer	

<b>Software for the intelligent pressure transmitters</b>		
Communication module ADAPT-1 (RS 232 for DMP 331i, DMP 333i) INT-501		
Communication module ADAPT-5 (RS 232 / USB for DMP 331i, DMP 333i) + software		
Software for DMP 331i, 333i / update code 503498		
Assembly (module + software for DMP 331i, 333i) ADAPT-1, INT-502		

0,-...without additional charge

On request...in accordance with the producer

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## PRICE LIST

## PRESSURE TRANSMITTERS

## DMP 333i for high pressures

## Precision pressure transmitter



TYPE	Code e.g. DMP 333i, 130-1003-1-1-100-100-5-000, set up 0...80 bar	
DMP 333i	Pressure transmitter (0...60 / 600 bar)	
Code	Measured pressure	
130	gauge (0...60 / 600 bar)	
131	absolute (0...60 / 600 bar)	
Code	Range	
6002	0...60,0 bar	
1003	0...100,0 bar	
2003	0...200,0 bar	
4003	0...400,0 bar	
6003	0...600,0 bar	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
F	Intrinsic safety for mines M1 Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
1	0,1% of range	
P	0,10% of range with calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
800	Field housing stainless steel (IP 67)	
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)	
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)	
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)	
A00	Connector Binder Serie 723 7-pin (IP 67)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852	
400	G 1/4" EN 837-1/-3 (manometric)	
500	M 20 x 1,5 DIN 3852	
600	M 12 x 1 DIN 3852	
700	M 10 x 1 DIN 3852	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
999	Customer	
Code	Seals	
1	Viton (FKM)	
2	Without seals - welded (only with EN 837-1/-3; $P_N < 170$ bar)	
3	EPDM ( $P_N < 160$ bar)	
5	NBR (standard)	
9	Customer	
Code	Specials versions	
111	Standard	
121	Interface RS 232 (only for connector Binder Serie 723 7-pin)	
999	Customer	

<b>Software for the intelligent pressure transmitters</b>	
Communication module ADAPT-1 (RS 232 for DMP 331i, DMP 333i), INT-501	
Communication module ADAPT-5 (RS 232 / USB for DMP 331i, DMP 333i) + software	
Software for DMP 331i, 333i / update code 503498	
Assembly (module + software for DMP 331i, 333i) ADAPT-1, INT-502	

0,-...without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration is not subject to reduction.**

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## PRICE LIST

## PRESSURE TRANSMITTERS

**LMP 331i Precision screw-in transmitter  
for hydrostatic level measurement**

TYPE	Code e.g. LMP331i, 430-1001-1-1-100-K00-1-111, set up 0...0,6 bar	
LMP 331i	Screw in level probe (0...0,4 / 40 bar)	
Code	Measured pressure	
430	gauge	
431	measured value in m H <sub>2</sub> O	
Code	Range	
4000	0.....400 mbar (0.....4,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0....10,0 m H <sub>2</sub> O)	
2001	0.....2,0 bar (0...20,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
1002	0...10,0 bar (0...100,0 m H <sub>2</sub> O)	
2002	0...20,0 bar (0...200,0 m H <sub>2</sub> O)	
4002	0...40,0 bar (0...400,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
1	0,1% of range	
P	0,10% of range with calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
800	Field housing stainless steel (IP 67)	
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)	
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)	
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)	
A00	Connector Binder Serie 723 7-pin (IP 67)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
Code	Mechanical connection	
K00	G 3/4" DIN 3852	
900	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
9	Customer	
Code	Specials versions	
111	Standard	
121	Interface RS 232 (only for connector Binder Serie 723 7-pin)	
999	Customer	
Software for the intelligent pressure transmitters		
Communication module ADAPT-1 (RS 232 for LMP 331i), INT-501		
Communication module ADAPT-5 (RS 232 / USB for DMP 331i, DMP 333i) + software		
Software for LMP 331i / update code 503498		
Assembly (module + software for LMP 331i) ADAPT-1, INT-502		

0,...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.





**DMP 334 for high pressures**  
**Industrial pressure transmitter**


TYPE	Code e.g. DMP 334, 140-1004-1-3-100-200-2-000	
DMP 334	Pressure transmitter (0...600 / 2200 bar)	
Code	Measured pressure	
140	gauge	
Code	Range	
6003	0.....600 bar	
1004	0.....1000 bar	
1604	0.....1600 bar	
2004	0.....2000 bar	
2204	0.....2200 bar	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
2	0...20 mA / 3-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
3	0,35% (standard)	
S	0,35% calibration including certificate	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
800	Field housing stainless steel (IP 67)	
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)	
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)	
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
Code	Mechanical connection	
200	G 1/2" EN 837-1/-3 (max. pressure 1600 bar)	
D28	M 20 x 1,5 internal thread	
V00	9/16-18 UNF internal thread	
Code	Seals	
2	Without seals - welded	
9	Customer	
Code	Specials versions	
000	Standard	
999	Customer	

0,-...without additional charge

On request (OR)...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



**DMP 304 for very high pressures**  
**Industrial pressure transmitter**


TYPE	Code e.g. DMP 304, 220-2004-1-5-100-V00-000	
DMP 304	Pressure transmitter (0...2000 / 6000 bar)	
Code	Measured pressure	
220	gauge	
Code	Range	
2004	0.....2000 bar	
4004	0.....4000 bar	
5004	0.....5000 bar	
6004	0.....6000 bar	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
5	0,5% (standard)	
2	by agreement 0,25%	
N	Measured values table for accuracy 0,5% (only on customer request)	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
TA0	Cable gland / cable length specify (IP 67) + PVC cable / 1 m	
TR0	Cable gland potted / cable length specify (IP 68) + PVC cable / 1 m	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
BG0	MIL-/Bendix (Typ PT 02 A 10-6 P)	
999	Customer	
Code	Mechanical connection	
V00	9/16-18 UNF internal thread	
P00	M16 x 1,5 internal thread	
D28	M 20 x 1,5 internal thread	
V00	9/16-18 UNF internal thread	
Code	Specials versions	
000	Standard	
999	Customer	

0,-...without additional charge

On request (OR)...in accordance with the producer

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



**DMP 341 Industrial pressure transmitter**

TYPE	Code e.g. DMP 341, 190-0100-1-8-100-100-1-000
DMP 341	Pressure transmitter (0...6 / 1000 mbar)
Code	Measured pressure
190	gauge
Code	Range
0060	0.....6 mbar
0100	0.....10 mbar
0160	0.....16 mbar
0200	0.....20 mbar
0400	0.....40 mbar
0600	0.....60 mbar
1000	0...100 mbar
1600	0...160 mbar
2500	0...250 mbar
4000	0...400 mbar
6000	0.....0,6 bar
1001	0.....1 bar
X102	-1.....0 bar
XXXX	underpressure
9999	Customer
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
4	0...5 V / 3-wire
7	4...20 mA / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Accuracy
8	1% ( $P_N \leq 10$ mbar)
5	0,50% ( $P_N > 10$ mbar)
U	1% calibration including certificate ( $P_N \leq 10$ mbar)
T	0,50% calibration including certificate ( $P_N \geq 10$ mbar)
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
200	Connector Binder Serie 723 5-pin (IP 67)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
500	Connector Buccaneer (IP 68)
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
999	Customer
Code	Mechanical connection
100	G 1/2" DIN 3852
200	G 1/2" EN 837-1/-3 (manometric)
300	G 1/4" DIN 3852
400	G 1/4" EN 837-1/-3 (manometric)
500	M 20 x 1,5 DIN 3852
600	M 12 x 1 DIN 3852
700	M 10 x 1 DIN 3852
800	M 20 x 1,5 EN 837-1/-3 (manometric)
C00	M 12 x 1,5 DIN 3852
999	Customer
Code	Seals
1	Viton (FKM) (standard)
3	EPDM
5	NBR
9	Customer
Code	Specials versions
000	Standard
006	Temperature compensation -20...+50 °C
999	Customer

0,-...without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration and temperature compensation are not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.





## DMP 343 Industrial pressure transmitter



TYPE	Code e.g. DMP 343, 100-0400-1-8-100-100-1-000
DMP 343	Pressure transmitter (0...6 / 1000 mbar)
Code	Measured pressure
100	gauge
Code	Range
0060	0.....6 mbar
0100	0.....10 mbar
0160	0.....16 mbar
0200	0.....20 mbar
0400	0.....40 mbar
0600	0.....60 mbar
1000	0...100 mbar
1600	0...160 mbar
2500	0...250 mbar
4000	0...400 mbar
6000	0.....0,6 bar
1001	0.....1 bar
X102	-1.....0 bar
XXXX	underpressure
9999	Customer
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
4	0...5 V / 3-wire
7	4...20 mA / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Accuracy
8	1% ( $P_N \leq 10$ mbar)
5	0,50% ( $P_N > 10$ mbar)
U	1% calibration including certificate ( $P_N \leq 10$ mbar)
T	0,50% calibration including certificate ( $P_N \geq 10$ mbar)
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
200	Connector Binder Serie 723 5-pin (IP 67)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
500	Connector Buccaneer (IP 68)
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
999	Customer
Code	Mechanical connection
100	G 1/2" DIN 3852
200	G 1/2" EN 837-1/-3 (manometric)
300	G 1/4" DIN 3852
400	G 1/4" EN 837-1/-3 (manometric)
500	M 20 x 1,5 DIN 3852
600	M 12 x 1 DIN 3852
700	M 10 x 1 DIN 3852
800	M 20 x 1,5 EN 837-1/-3 (manometric)
C00	M 12 x 1,5 DIN 3852
999	Customer
Code	Seals
1	Viton (FKM) (standard)
3	EPDM
5	NBR
9	Customer
Code	Specials versions
000	Standard
999	Customer

0,-...without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration and temperature compensation are not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

**DMK 331 Industrial pressure transmitter  
for aggressive media**

TYPE	Code e.g. DMK 331, 250-1002-1-5-100-100-1-1-2-000	
DMK 331	Pressure transmitter (0...0,6 / 600 bar)	
Code	Measured pressure	
250	gauge	
251	absolute	
Code	Range	
6000	0.....0,6 bar	
1001	0.....1,0 bar	
1601	0.....1,6 bar	
2501	0.....2,5 bar	
4001	0.....4,0 bar	
6001	0.....6,0 bar	
1002	0....10,0 bar	
1602	0....16,0 bar	
2502	0....25,0 bar	
4002	0....40 bar	
6002	0....60 bar	
1003	0...100 bar	
1603	0...160 bar	
2503	0...250 bar	
4003	0...400 bar	
6003	0...600 bar	
X102	-1...0 bar (with accuracy 1%)	
XXXX	Underpressure (accuracy 1%)	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
2	0...20 mA / 3-wire	
3	0...10 V / 3-wire	
4	0...5 V / 3-wire	
5	0...1 V / 3-wire	
6	1...6 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
8	1%	
5	0,50% (standard)	
U	1% calibration including certificate	
T	0,50% calibration including certificate	
N	Measured values table for accuracy 0,50% (only on customer request)	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852	
400	G 1/4" EN 837-1/-3 (manometric)	
500	M 20 x 1,5 DIN 3852	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
F00	G 1/2" DIN 3852 with flush sensor diaphragm ( $P_N \leq 25$ bar)	
H00	G 1/2" DIN 3852 open port ( $P_N \leq 60$ bar) (housing PVDF)	

999	Customer	
<b>Code</b> <b>Seals</b>		
1	Viton (FKM) ( $P_N < 100$ bar) , Viton 90° ( $100 < P_N < 250$ bar)	
3	EPDM ( $P_N < 160$ bar)	
5	NBR ( $P_N > 100$ bar)	
9	Customer	
<b>Code</b> <b>Pressure port</b>		
1	Stainless steel 1.4571 (DIN 17 348)	
B	PVDF ( $P_N \leq 60$ bar) (only G 1/2" DIN 3852 open port H00)	
9	Customer	
<b>Code</b> <b>Diaphragm</b>		
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
<b>Code</b> <b>Specials versions</b>		
000	Standard	
007	Version for oxygen (only with Viton, and up to range 50 bar)	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

**DMK 351 Industrial pressure transmitter  
for aggressive media**

TYPE	Code e.g. DMK 351, 290-0400-1-3-100-100-1-1-2-000	
DMK 351	Pressure transmitter(0...0,04 / 20 bar)	
Code	Measured pressure	
290	gauge	
291	absolute	
292	measured value in m H <sub>2</sub> O	
Code	Range	
0400	0.....40 mbar (0.....0,4 m H <sub>2</sub> O)	
0600	0.....60 mbar (0.....0,6 m H <sub>2</sub> O)	
1000	0....100 mbar (0....1,0 m H <sub>2</sub> O)	
1600	0...160 mbar (0...1,6 m H <sub>2</sub> O)	
2500	0...250 mbar (0...2,5 m H <sub>2</sub> O)	
4000	0...400 mbar (0...4,0 m H <sub>2</sub> O)	
6000	0.....0,6 bar (0...6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0...10,0 bar (0..100,0 m H <sub>2</sub> O)	
1602	0...16,0 bar (0...160,0 m H <sub>2</sub> O)	
2002	0...20,0 bar (0..200,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
8	1%	
5	0,50%	
3	0,35% (standard )	
2	after agreement 0,25%	
U	1% calibration including certificate	
T	0,50% calibration including certificate	
S	0,35% calibration including certificate	
R	after agreement 0,25% calibration including certificate	
N	Tabulka naměřených hodnot pro přesnost 0,50%	
M	Tabulka naměřených hodnot pro přesnost 0,35%	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
N00	1/2" NPT	
Code	Seals	
1	Viton (FKM) (P <sub>N</sub> < 100 bar) , viton 90° (100 < P <sub>N</sub> < 250 bar)	
3	EPDM (P <sub>N</sub> < 160 bar)	
9	Customer	
Code	Pressure port	

1	Stainless steel 1.4571 (DIN 17 348)	
9	Customer	
<b>Code</b>	<b>Diaphragm</b>	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
C	Ceramics Al <sub>2</sub> O <sub>3</sub> 99,9%	
<b>Code</b>	<b>Specials versions</b>	
000	Standard	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.





**DMP 331 P Process-pressure transmitter**

TYPE	Code e.g. DMP 331P, 500-1002-1-5-100-Z00-1-1-1-000
DMP 331P	Pressure transmitter (0...0,1 / 40 bar)
Code	Measured pressure
500	gauge
501	absolute ( $P_N > 0,6$ bar) (temperature max. 70°C)
Code	Range
1000	0.....100 mbar
1600	0.....160 mbar
2500	0.....250 mbar
4000	0.....400 mbar
6000	0.....0,6 bar
1001	0.....1,0 bar
1601	0.....1,6 bar
2501	0.....2,5 bar
4001	0.....4,0 bar
6001	0.....6,0 bar
1002	0....10,0 bar
1602	0....16,0 bar
2502	0....25,0 bar
4002	0....40 bar
X102	-1....0 bar (temperature max. 70°C)
XXXX	Underpressure (temperature max. 70°C)
9999	Customer
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
4	0...5 V / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Accuracy
8	1%
5	0,50% ( $P_N \leq 0,4$ bar)
3	0,35% (standard $P_N > 0,4$ bar)
2	0,25% ( $P_N > 0,4$ bar)
U	1% calibration including certificate
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)
S	0,35% calibration including certificate (standard $P_N > 0,4$ bar)
R	0,25% calibration including certificate ( $P_N > 0,4$ bar)
M	Measured values table for accuracy 0,35% (only on customer request)
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
200	Connector Binder Serie 723 5-pin (IP 67)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
500	Connector Buccaneer (IP 68)
800	Field housing stainless steel (IP 67)
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
999	Customer

Settings in temperature different from basic 20°C (+/- 10°C, max. 70 bar and 200°C)
---

Code	Mechanical connection	
Z00	G 1/2" DIN 3852 ( $P_N > 2,5$ bar) (only with seals)	
Z30	G 3/4" DIN 3852 ( $P_N > 0,6$ bar) (only with seals)	
Z31	G 1" DIN 3852 ( $P_N > 0,25$ bar) (only with seals)	
Z33	G 1 1/2" DIN 3852 (only with seals)	
Z34	G 2" DIN 3852	
Z57	G 1" DIN 3852 2x O ring ( $P_N > 0,25$ bar)	
C61	Clamp DN 1" ( $P_N > 0,6$ bar) (without seals)	
C62	Clamp DN 1 1/2" ( $P_N > 0,4$ bar) (without seals)	
C63	Clamp DN 2" ( $P_N > 0,25$ bar) (without seals)	
M73	DIN 11851 DN 25 ( $P_N > 0,6$ bar) (without seals)	
M75	DIN 11851 DN 40 ( $P_N > 0,4$ bar) (without seals)	
M76	DIN 11851 DN 50 ( $P_N > 0,25$ bar) (without seals)	
S61	"sandwich" DN 25 (without seals)	
S76	"sandwich" DN 50 (without seals)	
S80	"sandwich" DIN 2501 DN 80 (without seals)	
D04	M 20 x 1,5 DIN 3852 ( $P_N > 2,5$ bar) (only with seals)	
D15	M 22 x 1,5 DIN 3852 ( $P_N > 2,5$ bar) (only with seals)	
F20	Flange DN 25/PN40 DIN 2501 (without seals)	
F22	Flange DN 40/PN40 DIN 2501 (without seals)	
F23	Flange DN 50/PN40 DIN 2501 (without seals)	
F24	Flange DN 80/PN40 DIN 2501 (without seals)	
F25	Flange DN 100/PN16 DIN 2501 (without seals)	
P41	Varivent DN 40/50 (without seals)	
999	Customer	
Code	Diaphragm	
1	Stainless steel 1.4435	
H	Hastelloy	
T	Tantalum	
9	Customer	
Code	Seals - wetted media (only for inch thread)	
0	Without seals (Clamp ,dairy pipe DIN, sandwich, flange, varivent)	
1	Viton (FKM)	
3	EPDM	
9	Customer	
Code	Filling fluids	
1	Silicone oil	
2	Edible oil for foodstuff industry (temperature max. 150°C)	
C	Halocarbon	
9	Customer	
Code	Specials versions	
000	Standard	
150	With cooling element from 125°C up to 150°C	
200	With cooling element from 150°C up to 300°C ( $P_N \leq 70$ bar max. 200°C permanent)	
999	Customer	

### 3.1 material certificate for membrane and mechanical connection materials

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration and other calibration temperature is not subject to reduction.**

**!!! When you make an order it is necessary to fill the questionnaire for transmitters with separators!!!**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



## DMP 331 Pi Process-pressure transmitter

TYPE	Code e.g. DMP 331Pi, 500-1002-1-5-100-Z00-1-1-1-111
DMP 331Pi	Pressure transmitter (0...0,4 / 40 bar)
Code	Measured pressure
500	gauge
501	absolute ( $P_N > 0,6$ bar) (temperature max. 70°C)
Code	Range
4000	0.....400 mbar
1001	0.....1 bar
2001	0.....2 bar
4001	0.....4 bar
1002	0....10 bar
2002	0....20 bar
4002	0....40 bar
X102	-1....0 bar (temperature max. 70°C)
S102	-1.....1 bar (temperature max. 70°C)
V202	-1.....2 bar (temperature max. 70°C)
V402	-1.....4 bar (temperature max. 70°C)
V103	-1...10 bar (temperature max. 70°C)
XXXX	Underpressure (temperature max. 70°C)
9999	Customer
Code	Output signal
1	4...20 mA / 2-wire
3	0...10 V / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Accuracy
1	0,10% of range
2	0,25% of range
P	0,10% of range with calibration including certificate
I	0,10% production set up on selected range without certificate
H	0,10% production set up on selected range with certificate
R	0,25% of range with calibration including certificate
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
200	Connector Binder Serie 723 5-pin (IP 67)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
500	Connector Buccaneer (IP 68)
800	Field housing stainless steel (IP 67)
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
999	Customer
Code	Mechanical connection
Z00	G 1/2" DIN 3852 ( $P_N > 2,5$ bar) (only with seals)
Z30	G 3/4" DIN 3852 ( $P_N > 0,6$ bar) (only with seals)
Z31	G 1" DIN 3852 ( $P_N > 0,25$ bar) (only with seals)
Z33	G 1 1/2" DIN 3852 (only with seals)
Z34	G 2" DIN 3852
Z57	G 1" DIN 3852 2x O ring ( $P_N > 0,25$ bar)
C61	Clamp DN 1" ( $P_N > 0,6$ bar) (without seals)
C62	Clamp DN 1 1/2" ( $P_N > 0,4$ bar) (without seals)
C63	Clamp DN 2" ( $P_N > 0,25$ bar) (without seals)
M73	DIN 11851 DN 25 ( $P_N > 0,6$ bar) (without seals)
M75	DIN 11851 DN 40 ( $P_N > 0,4$ bar) (without seals)
M76	DIN 11851 DN 50 ( $P_N > 0,25$ bar) (without seals)
S61	"sandwich" DN 25 (without seals)
S76	"sandwich" DN 50 (without seals)

S80	"sandwich" DIN 2501 DN 80 (without seals)	
D04	M 20 x 1,5 DIN 3852 ( $P_N > 2,5$ bar) (only with seals)	
D15	M 22 x 1,5 DIN 3852 ( $P_N > 2,5$ bar) (only with seals)	
F20	Flange DN 25/PN40 DIN 2501 (without seals)	
F22	Flange DN 40/PN40 DIN 2501 (without seals)	
F23	Flange DN 50/PN40 DIN 2501 (without seals)	
F24	Flange DN 80/PN40 DIN 2501 (without seals)	
F25	Flange DN 100/PN16 DIN 2501 (without seals)	
P41	Varivent DN 40/50 (without seals)	
999	Customer	
<b>Code</b>	<b>Diaphragm</b>	
1	Stainless steel 1.4435	
H	Hastelloy	
T	Tantalum	
9	Customer	
<b>Code</b>	<b>Seals - wetted media (only for inch thread)</b>	
0	Without seals (Clamp ,dairy pipe DIN, sandwich, flange, varivent)	
1	Viton (FKM)	
3	EPDM	
9	Customer	
<b>Code</b>	<b>Filling fluids</b>	
1	Silicone oil	
2	Edible oil for foodstuff industry (temperature max. 150°C)	
C	Halocarbon	
9	Customer	
<b>Code</b>	<b>Specials versions</b>	
111	Standard	
121	Communication RS 232	
211	With cooling element from 150°C up to 300°C ( $P_N \leq 70$ bar max. 200°C permanent)	
221	Communication RS 232 with cooling element (up to 300°C $P_N \leq 70$ bar max. 200°C)	
999	Customer	

<b>Settings in temperature different from basic 20°C (+/- 10°C, max. 70 bar and 200°C)</b>	
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0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration and other calibration temperature is not subject to reduction.**

**!!! When you make an order it is necessary to fill the questionnaire for transmitters with separators!!!**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.

**DMK 331 P Pressure transmitters with flush diaphragm**

TYPE	Code e.g. DMK 331 P, 505-1002-1-5-100-Z00-1-1-1-000
DMK 331P	Pressure transmitter (0...1 / 400 bar)
Code	Measured pressure
505	gauge
506	absolute (temperature max. 70°C)
Code	Range
6002	0...60 bar
1003	0...100 bar
1603	0...160 bar
2503	0...250 bar
4003	0...400 bar
9999	Customer
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
4	0...5 V / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Accuracy
8	1%
5	0,50% (standard)
U	1% calibration including certificate
T	0,50% calibration including certificate
N	Measured values table for accuracy 0,50% (only on customer request)
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
200	Connector Binder Serie 723 5-pin (IP 67)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
500	Connector Buccaneer (IP 68)
800	Field housing stainless steel (IP 67)
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
999	Customer

**Settings in temperature different from basic 20°C (+/- 10°C, max. 70 bar and 200°C)**

Code	Mechanical connection
Z00	G 1/2" DIN 3852 ( $P_N > 2,5$ bar) (only with seals)
D04	M 20 x 1,5 DIN 3852 ( $P_N > 2,5$ bar) (only with seals)
Z30	G 3/4" DIN 3852 ( $P_N > 1$ bar) (only with seals)
Z31	G 1" DIN 3852 ( $P_N > 1$ bar) (only with seals)
Z33	G 1 1/2" DIN 3852 (only with seals)
Z57	G 1" DIN 3852 2x O ring ( $P_N > 0,25$ bar)
Code	Diaphragm
1	Stainless steel 1.4435
9	Customer
Code	Seals - wetted media (only for inch thread)
1	Viton (FKM) ( $P_N < 100$ bar)
3	EPDM ( $P_N < 160$ bar)
5	NBR ( $P_N > 100$ bar)
9	Customer
Code	Filling fluids
1	Silicone oil
2	Edible oil for foodstuff industry (temperature max. 150°C)
C	Halocarbon
9	Customer
Code	Specials versions
000	Standard

150	With cooling element from 125°C up to 150°C	
200	With cooling element from 150°C up to 300°C (PN ≤ 70 bar max. 200°C permanent)	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration and other calibration temperature is not subject to reduction.**

**When you make an order it is necessary to fill the questionnaire for transmitters with separators !!!**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.

**LMP 331 Stainless steel screw-in transmitter**

TYPE	Code e.g. LMP 331, 431-1001-1-1-1-1-100-5-000
LMP 331	Screw in level probe (0...0,1 / 40 bar)
Code	Measured pressure
430	gauge
431	measured value in m H <sub>2</sub> O (0...1,0 / 400 m H <sub>2</sub> O)
Code	Range
1000	0...100 mbar (0.....1,0 m H <sub>2</sub> O)
1600	0...160 mbar (0.....1,6 m H <sub>2</sub> O)
2500	0...250 mbar (0.....2,5 m H <sub>2</sub> O)
4000	0...400 mbar (0.....4,0 m H <sub>2</sub> O)
6000	0.....0,6 bar (0.....6,0 m H <sub>2</sub> O)
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)
1002	0.....10,0 bar (0..100,0 m H <sub>2</sub> O)
1602	0.....16,0 bar (0..160,0 m H <sub>2</sub> O)
2502	0.....25,0 bar (0..250,0 m H <sub>2</sub> O)
4002	0.....40,0 bar (0..400,0 m H <sub>2</sub> O)
9999	Customer
Code	Housing
1	Stainless steel 1.4571
Code	Diaphragm
1	Stainless steel 1.4435
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
4	0...5 V / 3-wire
5	0...1 V / 3-wire
6	1...6 V / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Seals
1	Viton (FKM)
3	EPDM
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
200	Connector Binder Serie 723 5-pin (IP 67)
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m
500	Connector Buccaneer (IP 68)
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
999	Customer
Code	Accuracy
5	0,5% ( $P_N \leq 0,4$ bar)
3	0,35% (standard $P_N > 0,4$ bar)
2	0,25% ( $P_N > 0,4$ bar)
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)
S	0,35% calibration including certificate ( $P_N > 0,4$ bar)
R	0,25% calibration including certificate ( $P_N > 0,4$ bar)
M	Measured values table for accuracy 0,35% (only on customer request)
9	Customer
Code	Specials versions
000	Standard
006	Temperatur compensation -20...+50 °C
999	Customer



0,-...without additional charge  
On request...in accordance with the producer

**Additional charge for calibration and temperature compensation is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS



## LMK 331 Screw-in transmitter

TYPE	Code e.g. LMK 331, 460-4001-1-5-100-K00-1-1-2-000	
LMK 331	Screw in level probe (0,6...60 bar)	
Code	Measured pressure	
460	gauge	
461	measured value in m H <sub>2</sub> O	
Code	Range	
6000	0.....0,6 bar (0...6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0....10,0 bar (0..100,0 m H <sub>2</sub> O)	
1602	0....16,0 bar (0..160,0 m H <sub>2</sub> O)	
2502	0...25,0 bar (0..250,0 m H <sub>2</sub> O)	
4002	0...40,0 bar (0..400,0 m H <sub>2</sub> O)	
6002	0...60,0 bar (0..600,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
3	by agreement 0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
8	1%	
5	0,50% (standard )	
U	1% calibration including certificate	
T	0,50% calibration including certificate	
N	Measured values table for accuracy 0,50% (on customer request )	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
Code	Mechanical connection	
K00	G <sub>1/4</sub> " flush (DIN 3852)	
999	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
5	NBR ( P <sub>N</sub> > 25 bar)	
9	Customer	
Code	Housing	
1	Stainless steel 1.4571	
A	PVC	
B	PVDF	
9	Customer	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
9	Customer	
Code	Specials versions	
000	Standard	
999	Customer	

0,-...without additional charge On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

## LMK 351 Screw-in pressure transmitter



TYPE	Code e.g. LMK 351, 470-1600-1-5-100-M00-1-1-2-000	
LMK 351	Screw in level probe (0,04...10 bar)	
Code	Measured pressure	
470	gauge	
471	measured value in m H <sub>2</sub> O	
Code	Range	
0400	0.....40 mbar (0.....0,4 m H <sub>2</sub> O)	
0600	0.....60 mbar (0.....0,6 m H <sub>2</sub> O)	
1000	0....100 mbar (0...1,0 m H <sub>2</sub> O)	
1600	0....160 mbar (0...1,6 m H <sub>2</sub> O)	
2500	0....250 mbar (0...2,5 m H <sub>2</sub> O)	
4000	0....400 mbar (0...4,0 m H <sub>2</sub> O)	
6000	0....600 mbar (0...6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0....10,0 bar (0..100,0 m H <sub>2</sub> O)	
1602	0....16,0 bar (0...160,0 m H <sub>2</sub> O)	
2002	0....20,0 bar (0...200,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
8	1%	
5	0,5% (with housing PVDF )	
3	0,35% (standard )	
2	by agreement 0,25%	
U	1% calibration including certificate	
T	0,50% calibration including certificate	
S	0,35% calibration including certificate	
R	by agreement 0,25% calibration including certificate	
M	Measured values table for accuracy 0,35% (on customer request )	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder Serie 723 5-pin (IP 67)	
400	Cable gland PG7 / cable length specify (IP 67) + PVC cable / 1 m	
500	Connector Buccaneer (IP 68)	
800	Field housing stainless steel (IP 67)	
8A0	Field housing stainless steel + LCD display, 2 switching contacts (IP 67)	
8B0	Field housing stainless steel + LCD display, 1 switching contact (IP 67)	
8C0	Field housing stainless steel + LCD display, without switching contact (IP 67)	
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)	
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)	
999	Customer	
Code	Mechanical connection	
M00	G 1 1/2" flush (DIN 3852)	
999	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
9	Customer	

Code	Housing	
1	Stainless steel 1.4571	
A	PVC	
B	PVDF (accuracy 0,5%)	
9	Customer	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
3	Ceramic Al <sub>2</sub> O <sub>3</sub> 96% with teflon sheeting (P < 50 bar-0,25 mm, accuracy ≥ 1%)	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for 0,1 ≤ P <sub>N</sub> ≤ 1 bar)	
9	Customer	
Code	Specials versions	
000	Standard	
007	Version for oxygen	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.





**LMP 305 Stainless steel submersible transmitter**

TYPE	Code e.g. LMP 305, 401-2500-1-1-1-1-5-1-005-000	
LMP 305	Stainless steel submersible transmitter (0...1 / 250 m H <sub>2</sub> O)	
Code	Measured pressure	
400	gauge	
401	measured value in m H <sub>2</sub> O	
Code	Range	
1000	0.....100 mbar (0.....1,0 m H <sub>2</sub> O)	
1600	0.....160 mbar (0.....1,6 m H <sub>2</sub> O)	
2500	0.....250 mbar (0.....2,5 m H <sub>2</sub> O)	
4000	0.....400 mbar (0.....4,0 m H <sub>2</sub> O)	
6000	0.....0,6 bar (0.....6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0....10,0 bar (0..100,0 m H <sub>2</sub> O)	
1602	0....16,0 bar (0..160,0 m H <sub>2</sub> O)	
2502	0....25,0 bar (0..250,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Housing	
1	Stainless steel 1.4571 (316 Ti)	
Code	Diaphragm	
1	Stainless steel 1.4435	
Code	Output signal	
1	4...20 mA / 2-wire	
Code	Seals	
1	Viton (FKM)	
9	Customer	
Code	Accuracy	
5	0,50% ( $P_N \leq 0,4$ bar)	
3	0,35% (standard $P_N > 0,4$ bar)	
2	by agreement 0,25% ( $P_N > 0,4$ bar)	
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)	
S	0,35% calibration including certificate (standard $P_N > 0,4$ bar)	
R	by agreement 0,25% calibration including certificate ( $P_N > 0,4$ bar)	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Electrical connection	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
109	Cable gland PG16 - cable mounting	
999	Customer	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



LMP 307 *Stainless steel submersible transmitter*

TYPE	Code e.g. LMP 307, 451-4000-1-1-1-1-5-1-010-000
LMP 307	Stainless steel submersible transmitter (0...0,1 bar / 25 bar)
Code	Measured pressure
450	gauge
451	measured value in m H2O
Code	Range
1000	0.....100 mbar (0.....1,0 m H2O)
1600	0.....160 mbar (0.....1,6 m H2O)
2500	0.....250 mbar (0.....2,5 m H2O)
4000	0.....400 mbar (0.....4,0 m H2O)
6000	0.....0,6 bar (0.....6,0 m H2O)
1001	0.....1,0 bar (0...10,0 m H2O)
1601	0.....1,6 bar (0...16,0 m H2O)
2501	0.....2,5 bar (0...25,0 m H2O)
4001	0.....4,0 bar (0...40,0 m H2O)
6001	0.....6,0 bar (0...60,0 m H2O)
1002	0....10,0 bar (0..100,0 m H2O)
1602	0....16,0 bar (0..160,0 m H2O)
2502	0....25,0 bar (0..250,0 m H2O)
9999	Customer
Code	Housing
1	Stainless steel 1.4571 (316 Ti)
Code	Diaphragm
1	Stainless steel 1.4435
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
4	0...5 V / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Seals
1	Viton (FKM)
9	Customer
Code	Accuracy
5	0,50% ( $P_N \leq 0,4$ bar)
3	0,35% (standard) ( $P_N > 0,4$ bar)
2	by agreement 0,25% ( $P_N > 0,4$ bar)
1	0,1% ( $P_N \geq 1$ bar) ( only 4...20 mA/2-wire)
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)
S	0,35% calibration including certificate ( $P_N > 0,4$ bar)
R	by agreement 0,25% calibration including certificate ( $P_N > 0,4$ bar)
M	Measured values table for accuracy 0,35% (only on customer request)
9	Customer
Code	Electrical connection
1	PVC - cable (price for 1 m)
2	PUR - cable (price for 1 m)
3	FEP - cable with teflon sheath (price for 1 m)
4	TPE - cable for temperature 125°C (price for 1 m)
9	Customer
Code	Cable length
003	in whole meters, e.g. 3 m
015	in whole meters, e.g. 15 m
Code	Specials versions
000	Standard
103	Cable protection with corrugated pipe
-	stainless steel corrugated pipe (price for 1 m)
109	Cable gland PG16 - cable mounting
133	cable protection with corrugated pipe + temp.sensor Pt100
530	Separable cable head
540	cable protection with corrugated pipe + G 2"
543	cable protection with corrugated pipe + G 2" + temp.sensor Pt100

02Z	Reduced supply 10 ... 30 VDC (only for output 0 ... 5 V / 3-wire)	
013	Version with temperature sensor Pt 100	
999	Customer	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge      On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.      Subject to change without notice.**

This data sheet contains product specification; properties are not guaranteed.





**LMP 307i Stainless steel submersible transmitter**  
**i-version: integrated microprocessor**


TYPE	Code e.g. LMP 307i, 451-1001-1-1-1-1-1-010-000, set up 0...6 m H2O	
LMP 307i	Stainless steel submersible transmitter (0...0,4 bar / 20 bar)	
Code	Measured pressure	
450	gauge	
451	measured value in m H2O	
Code	Range	
4000	0.....400 mbar (0.....4,0 m H2O)	
1001	0.....1,0 bar (0....10,0 m H2O)	
2001	0.....2,0 bar (0....20,0 m H2O)	
4001	0.....4,0 bar (0....40,0 m H2O)	
1002	0....10,0 bar (0...100,0 m H2O)	
2002	0....20,0 bar (0...200,0 m H2O)	
9999	Customer	
Code	Housing	
1	Stainless steel 1.4571 (316 Ti)	
Code	Diaphragm	
1	Stainless steel 1.4435	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
9	Customer	
Code	Accuracy	
1	0,10% of range	
P	0,10% of range with calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
9	Customer	
Code	Electrical connection	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
4	TPE - cable for temperature 125°C (price for 1 m)	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
111	Standard	
118	Cable protection with corrugated pipe	
-	stainless steel corrugated pipe (price for 1 m)	
530	Separable cable head	
999	Customer	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,...without additional charge On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction. Subject to change without notice.**

This data sheet contains product specification; properties are not guaranteed.

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LMP 307 T *Stainless steel submersible transmitter*

TYPE	Code e.g. LMP 307 T, 456-1001-000x30-1-1-1-5-1-010-000	
LMP 307 T	Stainless steel submersible transmitter (0...0,1 bar / 25 bar)	
Code	Measured pressure	
455	gauge / °C	
456	measured value in m H <sub>2</sub> O / °C	
Code	Pressure range	
1000	0.....100 mbar (0.....1,0 m H <sub>2</sub> O)	
1600	0.....160 mbar (0.....1,6 m H <sub>2</sub> O)	
2500	0.....250 mbar (0.....2,5 m H <sub>2</sub> O)	
4000	0.....400 mbar (0.....4,0 m H <sub>2</sub> O)	
6000	0.....0,6 bar (0.....6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0....10,0 bar (0..100,0 m H <sub>2</sub> O)	
1602	0....16,0 bar (0..160,0 m H <sub>2</sub> O)	
2502	0....25,0 bar (0..250,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Temperature range	
000x30	0 ... 30°C	
000x50	0 ... 50°C	
M10x50	-10 ... 50°C	
999999	Customer	
Code	Housing	
1	Stainless steel 1.4571 (316 Ti)	
Code	Diaphragm	
1	Stainless steel 1.4435	
Code	Output signal - Pressure	
1	4...20 mA / 2-wire	
9	Customer	
Code	Output signal - Temperature	
1	4...20 mA / 2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
9	Customer	
Code	Accuracy	
5	0,50% ( $P_N \leq 0,4$ bar)	
3	0,35% (standard) ( $P_N > 0,4$ bar)	
2	by agreement 0,25% ( $P_N > 0,4$ bar)	
1	0,1% ( $P_N \geq 1$ bar) ( only 4...20 mA/2-wire)	
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)	
S	0,35% calibration including certificate ( $P_N > 0,4$ bar)	
R	by agreement 0,25% calibration including certificate ( $P_N > 0,4$ bar)	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Electrical connection	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
4	TPE - cable for temperature 125°C (price for 1 m)	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
999	Customer	
1003440	Terminal clamp - zinc plated	

1000278	Terminal clamp - stainless steel 1.4301	
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0,-...without additional charge      On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.      Subject to change without notice.**

This data sheet contains product specification; properties are not guaranteed.



## PRICE LIST

## PRESSURE TRANSMITTERS

LMP 308 *Stainless steel submersible transmitter*

TYPE	Code e.g. LMP 308, 441-4000-1-1-1-1-1-5-010-000
LMP 308	Stainless steel submersible transmitter (0,1 bar...25 bar)
Code	Measured pressure
440	gauge
441	measured value in m H <sub>2</sub> O
Code	Range
1000	0.....100 mbar (0.....1,0 m H <sub>2</sub> O)
1600	0.....160 mbar (0.....1,6 m H <sub>2</sub> O)
2500	0.....250 mbar (0.....2,5 m H <sub>2</sub> O)
4000	0.....400 mbar (0.....4,0 m H <sub>2</sub> O)
6000	0.....0,6 bar (0.....6,0 m H <sub>2</sub> O)
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)
1002	0.....10,0 bar (0..100,0 m H <sub>2</sub> O)
1602	0.....16,0 bar (0..160,0 m H <sub>2</sub> O)
2502	0.....25,0 bar (0..250,0 m H <sub>2</sub> O)
9999	Customer
Code	Housing
1	Stainless steel 1.4571
Code	Diaphragm
1	Stainless steel 1.4435
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Seals
1	Viton (FKM)
3	EPDM
9	Customer
Code	Electrical connection
0	Without cable part
1	PVC - cable (price for 1 m)
2	PUR - cable (price for 1 m)
3	FEP - cable with teflon sheath (price for 1 m)
4	TPE - cable for temperature 125°C (price for 1 m)
9	Customer
Code	Accuracy
5	0,50% ( $P_N \leq 0,4$ bar)
3	0,35% (standard) ( $P_N > 0,4$ bar)
2	by agreement 0,25% ( $P_N > 0,4$ bar)
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)
S	0,35% calibration including certificate ( $P_N > 0,4$ bar)
R	by agreement 0,25% calibration including certificate ( $P_N > 0,4$ bar)
M	Measured values table for accuracy 0,35% (only on customer request)
9	Customer
Code	Cable length
000	without cable
003	in whole meters, e.g. 3 m
015	in whole meters, e.g. 15 m

Code	Specials versions	
000	Standard	
103	cable protection with corrugated pipe	
-	stainless steel corrugated pipe (price for 1 m)	
013	Version with temperature sensor Pt 100	
999	Customer	
5000722	Cable part + price for cabel in whole meters	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

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Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

**LMP 308 i Stainless steel submersible transmitter**  
**i-version: integrated microprocessor**


TYPE	Code e.g. LMP 308i, 441-1001-1-1-1-1-1-1-1-010-000, set up 0...8 m H2O	
LMP 308 i	Stainless steel submersible transmitter (0...0,4 bar / 20 bar)	
Code	Measured pressure	
440	gauge	
441	measured value in m H2O	
Code	Range	
4000	0.....400 mbar (0.....4,0 m H2O)	
1001	0.....1,0 bar (0....10,0 m H2O)	
2001	0.....2,0 bar (0....20,0 m H2O)	
4001	0.....4,0 bar (0....40,0 m H2O)	
1002	0....10,0 bar (0...100,0 m H2O)	
2002	0....20,0 bar (0...200,0 m H2O)	
9999	Customer	
Code	Housing	
1	Stainless steel 1.4571	
Code	Diaphragm	
1	Stainless steel 1.4435	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
F	Intrinsic safety for mines M1 Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
9	Customer	
Code	Electrical connection	
0	Without cable part	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
4	TPE - cable for temperature 125°C (price for 1 m)	
9	Customer	
Code	Accuracy	
1	0,10% of range	
P	0,10% of range with calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
9	Customer	
Code	Cable length	
000	without cable	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
111	Standard	
121	Interface RS 232 (cable length max. 5 m)	
123	Cable protection with corrugated pipe	
-	stainless steel corrugated pipe (price for 1 m)	
999	Customer	
5000722	Cable part + price for cabel in whole meters	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

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Subject to change without notice.





## PRICE LIST

## PRESSURE TRANSMITTERS

LMP 808 *Plastic submersible transmitter*

TYPE	Code e.g. LMP 808, 411-6000-A-1-1-1-1-5-010-000	
LMP 808	Submersible transmitter made out of PVC (0,1 bar...10 bar)	
Code	Measured pressure	
410	gauge	
411	measured value in m H <sub>2</sub> O	
Code	Range	
1000	0.....100 mbar (0.....1,0 m H <sub>2</sub> O)	
1600	0.....160 mbar (0.....1,6 m H <sub>2</sub> O)	
2500	0.....250 mbar (0.....2,5 m H <sub>2</sub> O)	
4000	0.....400 mbar (0.....4,0 m H <sub>2</sub> O)	
6000	0.....0,6 bar (0.....6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0.....10,0 bar (0..100,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Housing	
A	PVC grey	
Code	Diaphragm	
1	Stainless steel 1.4435	
Code	Output signal	
1	4...20 mA / 2-wire	
2	0...20 mA / 3-wire	
3	0...10 V / 3-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
9	Customer	
Code	Electrical connection	
0	Without cable part	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
9	Customer	
Code	Accuracy	
5	0,50% ( $P_N \leq 0,4$ bar)	
3	0,35% (standard) ( $P_N > 0,4$ bar)	
2	by agreement 0,25% ( $P_N > 0,4$ bar)	
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)	
S	0,35% calibration including certificate ( $P_N > 0,4$ bar)	
R	by agreement 0,25% calibration including certificate ( $P_N > 0,4$ bar)	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Cable length	
000	without cable	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
999	Customer	
5000695	Cable part + price for cabel in whole meters	

1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction. Subject to change without notice.**

This data sheet contains product specification; properties are not guaranteed.



## LMK 307 Stainless steel submersible transmitter



TYPE	Code e.g. LMK 307, 381-1001-1-2-1-1-5-1-010-000	
LMK 307	Stainless steel submersible transmitter (0...0,1 bar / 25 bar)	
Code	Measured pressure	
380	gauge	
381	measured value in m H2O	
Code	Range	
4000	0.....400 mbar (0.....4,0 m H2O)	
6000	0.....0,6 bar (0.....6,0 m H2O)	
1001	0.....1,0 bar (0...10,0 m H2O)	
1601	0.....1,6 bar (0...16,0 m H2O)	
2501	0.....2,5 bar (0...25,0 m H2O)	
4001	0.....4,0 bar (0...40,0 m H2O)	
6001	0.....6,0 bar (0...60,0 m H2O)	
1002	0...10,0 bar (0..100,0 m H2O)	
1602	0...16,0 bar (0..160,0 m H2O)	
2502	0...25,0 bar (0..250,0 m H2O)	
9999	Customer	
Code	Housing	
1	Stainless steel 1.4571 (316 Ti)	
Code	Diaphragm	
2	Ceramics Al2O3 96%	
Code	Output signal	
1	4...20 mA / 2-wire	
2	0...20 mA / 3-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
9	Customer	
Code	Accuracy	
5	0,50% ( $P_N \leq 0,4$ bar)	
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)	
N	Measured values table for accuracy 0,5% (only on customer request)	
9	Customer	
Code	Electrical connection	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
013	Version with temperature sensor Pt 100	
999	Customer	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,...without additional charge On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction. Subject to change without notice.**

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## PRICE LIST

## PRESSURE TRANSMITTERS

## LMK 358 Stainless steel submersible transmitter



TYPE	Code e.g. LMK 358, 446-2500-1-2-1-1-1-3-010-000	
LMK 358	Stainless steel submersible transmitter (0...0,04 / 10 bar)	
Code	Measured pressure	
445	gauge	
446	measured value in m H2O	
Code	Range	
0400	0.....40 mbar (0.....0,4 m H2O)	
0600	0.....60 mbar (0.....0,6 m H2O)	
1000	0....100 mbar (0....1,0 m H2O)	
1600	0....160 mbar (0....1,6 m H2O)	
2500	0....250 mbar (0....2,5 m H2O)	
4000	0...400 mbar (0...4,0 m H2O)	
6000	0...600 mbar (0...6,0 m H2O)	
1001	0.....1,0 bar (0...10,0 m H2O)	
1601	0.....1,6 bar (0...16,0 m H2O)	
2501	0.....2,5 bar (0...25,0 m H2O)	
4001	0.....4,0 bar (0...40,0 m H2O)	
6001	0.....6,0 bar (0...60,0 m H2O)	
1002	0....10,0 bar (0..100,0 m H2O)	
9999	Customer	
Code	Housing	
1	Stainless steel 1.4571	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for 0,1 ≤ P <sub>N</sub> ≤ 1 bar)	
Code	Output signal	
1	4...20 mA / 2-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
9	Customer	
Code	Electrical connection	
0	Without cable part	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
4	TPE - cable for temperature 125°C (price for 1 m)	
9	Customer	
Code	Accuracy	
3	0,35% (standard)	
2	by agreement 0,25%	
S	0,35% calibration including certificate	
R	by agreement 0,25% calibration including certificate	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
103	cable protection with corrugated pipe	
-	stainless steel corrugated pipe (price for 1 m)	
999	Customer	
5000722	Cable part + price for cabel in whole meters	

1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction. Subject to change without notice.**

This data sheet contains product specification; properties are not guaranteed.





## PRICE LIST

## PRESSURE TRANSMITTERS

**LMK 358 H Stainless steel submersible transmitter**  
**H-version! HART® communication**


TYPE	Code e.g. LMK 358 H, 446-4000-1-2-H-1-1-B-010-000	
LMK 358 H	Stainless steel submersible transmitter (0...0,06 / 10 bar)	
Code	Measured pressure	
445	gauge	
446	measured value in m H2O	
Code	Range	
0600	0.....60 mbar (0.....0,6 m H2O)	
1600	0....160 mbar (0....1,6 m H2O)	
4000	0....400 mbar (0....4,0 m H2O)	
1001	0.....1,0 bar (0...10,0 m H2O)	
2001	0.....2,0 bar (0...20,0 m H2O)	
5001	0.....5,0 bar (0...50,0 m H2O)	
1002	0....10,0 bar (0..100,0 m H2O)	
9999	Customer	
Code	Housing	
1	Stainless steel 1.4571	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for 0,1 ≤ P <sub>N</sub> ≤ 1 bar)	
9	Customer	
Code	Output signal	
H	HART® - 4...20 mA/2-wire	
I	HART® - Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
9	Customer	
Code	Electrical connection	
0	Without cable part	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
4	TPE - cable for temperature 125°C (price for 1 m)	
9	Customer	
Code	Accuracy	
1	0,1% (PN ≥ 1 bar)	
P	0,1% (PN ≥ 1 bar) calibration including certificate	
B	0,2% (PN < 1 bar)	
Q	0,2% (PN < 1 bar) calibration including certificate	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
103	cable protection with corrugated pipe	
-	stainless steel corrugated pipe (price for 1 m)	
999	Customer	
5000722	Cable part + price for cabel in whole meters	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	
Software for the intelligent pressure transmitters		
Interface HI 311 (HART / RS 232)		

Software HARTCOM for HMP 331	
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0,-...without additional charge    On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

LMK 858 *Plastic submersible transmitter*

TYPE	Code e.g. LMK 858, 416-2500-A-2-1-1-1-3-010-000	
LMK 858	Submersible transmitter made out of PVC (0...0,04 / 10 bar)	
Code	Measured pressure	
415	gauge	
416	measured value in m H <sub>2</sub> O	
Code	Range	
0400	0.....40 mbar (0.....0,4 m H <sub>2</sub> O)	
0600	0.....60 mbar (0.....0,6 m H <sub>2</sub> O)	
1000	0....100 mbar (0....1,0 m H <sub>2</sub> O)	
1600	0....160 mbar (0....1,6 m H <sub>2</sub> O)	
2500	0....250 mbar (0....2,5 m H <sub>2</sub> O)	
4000	0....400 mbar (0....4,0 m H <sub>2</sub> O)	
6000	0....600 mbar (0....6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0....10,0 bar (0..100,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Housing	
A	PVC grey	
B	PVDF (accuracy 0,5%)	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for 0,1 ≤ P <sub>N</sub> ≤ 1 bar)	
Code	Output signal	
1	4...20 mA / 2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
7	FFKM	
9	Customer	
Code	Electrical connection	
0	Without cable part	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
9	Customer	
Code	Accuracy	
3	0,35% (standard)	
5	0,5% (PVDF)	
2	by agreement 0,25%	
S	0,35% calibration including certificate	
R	by agreement 0,25% calibration including certificate	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
106	Prepared for mounting with PVC pipe	
999	Customer	
5000695	Cable part	

	+ price for cabel in whole meters	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

**LMK 809 Plastic submersible transmitter**

TYPE	Code e.g. LMK 809, 396-1001-E-C-1-1-2-3-010-000	
LMK 809	Submersible transmitter made out of PVC (0...0,04 / 10 bar)	
Code	Measured pressure	
395	gauge	
396	measured value in m H <sub>2</sub> O	
Code	Range	
0400	0.....40 mbar (0.....0,4 m H <sub>2</sub> O)	
0600	0.....60 mbar (0.....0,6 m H <sub>2</sub> O)	
1000	0....100 mbar (0....1,0 m H <sub>2</sub> O)	
1600	0....160 mbar (0....1,6 m H <sub>2</sub> O)	
2500	0....250 mbar (0....2,5 m H <sub>2</sub> O)	
4000	0....400 mbar (0....4,0 m H <sub>2</sub> O)	
6000	0....600 mbar (0....6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0....10,0 bar (0..100,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Housing	
E	PP	
B	PVDF (accuracy 0,5%)	
Code	Diaphragm	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for 0,1 ≤ P <sub>N</sub> ≤ 1 bar)	
Code	Output signal	
1	4...20 mA / 2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
7	FFKM	
9	Customer	
Code	Accuracy	
3	0,35% (standard)	
5	0,5% (PVDF)	
2	by agreement 0,25%	
S	0,35% calibration including certificate	
R	by agreement 0,25% calibration including certificate	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Electrical connection	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
4	TPE - cable for temperature up to 125°C	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
999	Customer	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**



This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

**LMK 382 Stainless steel submersible transmitter**

TYPE	Code e.g. LMK 382,565-1001-1-2-1-1-1-3-010-000	
LMK 382	Submersible transmitter made out of PVC (0...0,04 / 10 bar)	
Code	Measured pressure	
565	gauge	
566	measured value in m H <sub>2</sub> O	
Code	Range	
0400	0.....40 mbar (0.....0,4 m H <sub>2</sub> O)	
0600	0.....60 mbar (0.....0,6 m H <sub>2</sub> O)	
1000	0....100 mbar (0....1,0 m H <sub>2</sub> O)	
1600	0....160 mbar (0....1,6 m H <sub>2</sub> O)	
2500	0....250 mbar (0....2,5 m H <sub>2</sub> O)	
4000	0....400 mbar (0....4,0 m H <sub>2</sub> O)	
6000	0....600 mbar (0....6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0....10,0 bar (0..100,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Housing	
1	Stainless steel 1.4404 (316L)	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for 0,1 ≤ P <sub>N</sub> ≤ 1 bar)	
Code	Output signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
7	FFKM	
9	Customer	
Code	Electrical connection	
0	Without cable part	
1	PVC - cable (price for 1 m)	
2	PUR - cable (price for 1 m)	
3	FEP - cable with teflon sheath (price for 1 m)	
4	TPE - cable for temperatures up to 125°C (price for 1 m)	
Code	Accuracy	
3	0,35% (standard)	
2	0,25% (option)	
S	0,35% calibration including certificate	
R	0,25% calibration including certificate	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	
Code	Specials versions	
000	Standard	
999	Customer	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	

0,-...without additional charge On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

**LMK 458 Hydrostatic level transmitter  
for shipbuilding and offshore**

TYPE	Code e.g. LMK 457, 761-2500-1-1-2-1-1-2-3-010-000	
LMK 458	Stainless steel submersible transmitter (0...0,04 / 25 bar)	
Code	Measured pressure	
765	gauge	
766	measured value in m H <sub>2</sub> O	
768	absolute	
Code	Range	
0400	0.....40 mbar (0.....0,4 m H <sub>2</sub> O)	
0600	0.....60 mbar (0.....0,6 m H <sub>2</sub> O)	
1000	0....100 mbar (0....1,0 m H <sub>2</sub> O)	
1600	0....160 mbar (0....1,6 m H <sub>2</sub> O)	
2500	0....250 mbar (0....2,5 m H <sub>2</sub> O)	
4000	0....400 mbar (0....4,0 m H <sub>2</sub> O)	
6000	0....600 mbar (0....6,0 m H <sub>2</sub> O)	
1001	0.....1,0 bar (0...10,0 m H <sub>2</sub> O)	
1601	0.....1,6 bar (0...16,0 m H <sub>2</sub> O)	
2501	0.....2,5 bar (0...25,0 m H <sub>2</sub> O)	
4001	0.....4,0 bar (0...40,0 m H <sub>2</sub> O)	
6001	0.....6,0 bar (0...60,0 m H <sub>2</sub> O)	
1002	0....10,0 bar (0..100,0 m H <sub>2</sub> O)	
1602	0....16,0 bar (0..160,0 m H <sub>2</sub> O)	
2502	0...25,0 bar (0..250,0 m H <sub>2</sub> O)	
9999	Customer	
Code	Housing	
1	Stainless steel 1.4571	
K	by agreement CuNiFe (CuNi10Fe1Mn - resistant against sea water)	
9	Customer	
Code	Type of construction	
1	Submerge transmitter	
3	Flange transmitter	
5	Screw-in transmitter (with G1 1/2" thread)	
9	Customer	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for 0,1 ≤ P <sub>N</sub> ≤ 1 bar)	
9	Customer	
Code	Output signal	
1	4...20 mA / 2-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Seals	
1	Viton (FKM)	
3	EPDM	
7	FFKM	
9	Customer	
Code	Electrical connection	
2	PUR - cable (price for 1 m)	
3	FEP - cable (price for 1 m)	
4	TPE - cable for temperature 125°C (price for 1 m)	
9	Customer	
Code	Accuracy	
2	0,25% (standard)	
R	by agreement 0,25% calibration including certificate	
9	Customer	
Code	Cable length	
003	in whole meters, e.g. 3 m	
015	in whole meters, e.g. 15 m	

Code	Specials versions	
000	Standard	
013	With temperature sensor Pt 100	
502	Prepared for G 1" mounting with st. steel pipe 2 m (other lengths on request)	
999	Customer	
1003440	Terminal clamp - zinc plated	
1000278	Terminal clamp - stainless steel 1.4301	
-	Mounting clamp CuNiFe	

0,-...without additional charge

On request...in accordance with the producer

**Version 502 is not possible for CuNiFe !!!**

**St. steel flange, clamp and pipe are not parts of the supply !!!**

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.





PRICELIST

PRESSURE TRANSMITTERS



**DPS 200 Differential pressure transmitter for gas and compressed air**

TYPE	Code e.g. DPS 200, 810-0040-1-G-0-N-Y00-M-000
DPS 200	Differential pressure transmitter (0...1 / 1000 mbar)
Code	Pressure
810	differential pressure
811	gauge pressure
Code	Range
0060	0.....6 mbar (600 Pa)
0100	0.....10 mbar (1 kPa)
0400	0.....40 mbar (4 kPa)
0600	0.....60 mbar (6 kPa)
1000	0.....100 mbar (10 kPa)
1600	0.....160 mbar (16 kPa)
2500	0.....250 mbar (25 kPa)
4000	0.....400 mbar (40 kPa)
6000	0.....600 mbar (60 kPa)
1001	0.....1000 mbar (100 kPa)
9999	Customer
XXXX	Underpressure
Code	Output
3	0 ... 10 V / 3-wire
1	4 ... 20 mA / 2-wire
7	4 ... 20 mA / 3-wire
9	customer
Code	Accuracy
G	1 % FSO BFSL (2% FSO)
Code	Display
0	without display
C	LC display
9	customer
Code	Front foil
1	BD SENSORS
N	neutral
9	customer
Code	Mechanical connection
Y00	Ø 6,6 x 11 (for pipes Ø 6)
Y02	Ø 4,5 x 10 (for pipes Ø 4)
999	customer
Code	Pressure port
M	brass nickel plated
9	customer
Code	Special version
000	standard
999	customer

0,-...without additional charge  
 on request...in accordance with the producer

Subject to change without notice.

PRICELIST

PRESSURE TRANSMITTERS



**DPS 300 Differential pressure transmitter for gas and compressed air**

TYPE	Code e.g. DPS300, 815-0060-1-0-G-C-1-Y00-M-000	
DPS 300	Differential pressure transmitter (0...1,6 / 1000 mbar)	
Code	Pressure	
815	Differential pressure	
816	Gauge pressure	
Code	Range	
0016	0.....1,6 mbar (160 Pa)	
0040	0.....4 mbar (400 Pa)	
0100	0.....10 mbar (1 kPa)	
0400	0.....40 mbar (4 kPa)	
2500	0.....250 mbar (25 kPa)	
1001	0.....1000 mbar (100 kPa)	
9999	Customer (PN > 4 mbar)	
XXXX	Underpressure ( $P_N > 4$ mbar)	
Code	Output	
3Z	3-wire: 0 ... 5 V / 0 ... 10 V / 0...20 mA / 4...20 mA (switchable)	
1	2-wire: 4 ... 20 mA	
9	Customer	
Code	Switching outputs	
0	Without	
B	2 switching contacts (only in combination with display)	
Code	Accuracy	
8	1 % FSO IEC ( $P_N \geq 6$ mbar)	1 % FSO
G	2 % FSO IEC ( $P_N < 6$ mbar)	2 % FSO
Code	Display	
C	LC display	
0	Without display	
9	Customer	
Code	Front foil	
1	BD SENSORS	
N	Neutral	
9	Customer	
Code	Mechanical connection	
Y00	Ø 6,6 x 11 (for pipes Ø 6)	
Y02	Ø 4,5 x 10 (for pipes Ø 4)	
999	Customer	
Code	Pressure port	
M	Brass nickel plated	
9	Customer	
Code	Special version	
000	Standard	
600	Automatic zeroing	
605	Square-root extraction (only in combination with display)	
999	Customer	

0,-...without additional charge  
 on request...in accordance with the producer

Subject to change without notice.

EC (H<sub>2</sub> > 0 mbar)  
EC (H<sub>2</sub> < 0 mbar)

**DPS+ Pressure transmitter for differential pressure**

TYPE	Code e.g. DPS+, 808-0400-1-8-1-0-0-000
DPS+	Low pressure transmitter (0...6 / 1000 mbar)
Code	Measured pressure
808	differential
809	gauge
Code	Range
0060	0.....6 mbar
0100	0.....10 mbar
0200	0.....20 mbar
0400	0.....40 mbar
0600	0.....60 mbar
1000	0.....100 mbar
1600	0.....160 mbar
2500	0.....250 mbar
4000	0.....400 mbar
6000	0.....600 mbar
1001	0.....1000 mbar
9999	Customer
XXXX	Customer underpressure
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
7	4...20 mA / 3-wire
A	4...20 mA/ 4-wire (for supply 230 VAC, 110 VAC)
9	Customer
Code	Accuracy
3	0,35% ( $P_N > 160$ mbar)
8	1% ( $P_N = 40 \dots 160$ mbar)
G	2% ( $P_N < 40$ mbar)
S	0,35% calibration including certificate ( $P_N > 160$ mbar)
U	1% calibration including certificate ( $P_N = 40 \dots 160$ mbar)
L	2% calibration including certificate ( $P_N < 40$ mbar)
9	Customer
Code	Supply
1	12...31 VDC (4...20 mA/2-wire without display)
2	19...31 VDC (4...20mA/2-w. with display,0..10V/3-w.,0..20mA/3-w.,4..20mA/3w.)
5	230 V / 50 Hz (only for 3-wire or 4-wire)
4	110 V / 50 Hz (only for 3-wire or 4-wire)
Code	Display
0	Without display
D	Display with LCD 4-digits
9	Customer
Code	Switching contacts
0	Without switching contact
1	With 1 switching contact (only for 3-wire with display)
2	With 2 switching contacts (only for 3-wire with display)
9	Customer
Code	Specials versions
000	Standard
Z37	Clamp ring tube fitting 1/8" Ms, nickel-plated Ø 6 mm
999	Customer

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.





## DMD 331 Differential pressure transmitter

TYPE	Code e.g. DMD 331, 730-B-6000-1-8-100-800-1-000							
DMD 331	Pressure transmitter (0...0,2 / 16 bar)							
Code	Measured pressure							
730	differential							
Code	Max. pressure on input+/ Differential pressure/ Permissible static pressure one-sided							
F	200 mbar	(0...20 / 200 mbar)					1 bar	
A	400 mbar	(0...40 / 400 mbar)					1 bar	
B	1,0 bar	(0...100 mbar / 1,0 bar)					3 bar	
C	2,5 bar	(0...250 mbar / 2,5 bar)					6 bar	
D	6,0 bar	(0...0,60 / 6,0 bar)					20 bar	
E	16,0 bar	(0...1,60 / 16,0bar)					60 bar	
9	Customer							
Max. pressure on input +(bar)			F	A	B	C	D	E
Code	Differential pressure							
0200	20 mbar		X					
0400	40 mbar		X	X				
1000	100 mbar		X	X	X			
2000	200 mbar		X	X	X			
2500	250 mbar			X	X	X		
4000	400 mbar			X	X	X		
6000	0,60 bar				X	X	X	
1001	1,0 bar				X	X	X	
1601	1,6 bar					X	X	X
2501	2,5 bar					X	X	X
4001	4,0 bar						X	X
6001	6,0 bar						X	X
1002	10,0 bar							X
1602	16,0 bar							X
9999	Customer range (please consult with producent)							
Code	Output signal							
1	4...20 mA / 2-wire							
3	0...10 V / 3-wire							
E	Intrinsic safety Ex ia 4...20 mA/2-wire							
Code	Accuracy							
8	1%							
5	0,50%							
U	1% calibration including certificate							
T	0,50% calibration including certificate							
9	Customer							
Code	Electrical connection							
100	Connector DIN 43650 (ISO 4400) (IP 65)							
200	Connector Binder Serie 723 5-pin (IP 67)							
B00	Brad Harrison Mini Chance							
E00	Increase of coverage for IP 67 (for connector DIN 43650) (ISO 4400)							
999	Customer							
Code	Mechanical connection							
200	G 1/2" EN 837-1/-3							
800	M 20x1,5 EN 837-1/-3 + cap nuts and welding nipples							
J00	G 1/4" internal thread							
U00	7/16 UNF DIN 3866							
999	Customer							
Code	Seals							
1	Viton (FKM)							
3	EPDM							
7	FFKM							
9	Customer							
Code	Specials versions							
000	Standard							
999	Customer							

0,...without additional charge / On request...in accordance with the producer / Standard EN 837-1/-3 corresponds to original Standard DIN 16288

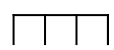
The span of differential pressure can be selected on an individual basis from 10% to 100% max. pressure on input +.



- selected version of max. pressure on input "+" and differential pressure is producible.

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.







**DMD 341 Differential pressure transmitter**

TYPE	Code e.g. DMD 341, 330-0060-1-G-100-Q00-6-000
DMD 341	Differential pressure transmitter (0...0,6 / 1000 mbar)
Code	Measured pressure
330	differential
331	gauge
Code	Range
0060	0.....6 mbar
0100	0.....10 mbar
0200	0.....20 mbar
0400	0.....40 mbar
0600	0.....60 mbar
1000	0.....100 mbar
1600	0.....160 mbar
2500	0.....250 mbar
4000	0.....400 mbar
6000	0.....600 mbar
1001	0.....1000 mbar
S006	-6.....6 mbar
S010	-10.....10 mbar
S020	-20.....20 mbar
S040	-40.....40 mbar
S060	-60.....60 mbar
S100	-100.....100 mbar
S160	-160.....160 mbar
S250	-250.....250 mbar
S400	-400.....400 mbar
S600	-600.....600 mbar
S102	-1000.....1000 mbar
9999	Customer range
XXXX	Underpressure range
Code	Output signal
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
Code	Accuracy
3	0,35% (PN > 160 mbar)
8	1% (PN = 40 ... 160 mbar)
G	2% (PN < 40 mbar)
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400) (IP 65)
M00	M 12 x 1 (4-pin) (Binder 713) (IP 67)
TA0	Cable outlet with PVC cable + PVC cable / 1m
Code	Mechanical connection
Q00	G 1/8" internal thread
Y00	Ø 6,6 x 11 (for tubes Ø 6)
999	Customer
Code	Seals
6	PUR
Code	Specials versions
000	Standard
999	Customer

0,...without additional charge / On request...in accordance with the producer / Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**The span of differential pressure can be selected on an individual basis from 10% to 100% max. pressure on input +.**

- selected version of max. pressure on input "+" and differential pressure is producible.

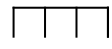
**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.







**Pricelist**



**XMD Intelligent differential, absolute and gauge pressure transmitter**

TYPE	Code e.g. XMD, 340-4000-A0-I-1-AK0-N56-1-1-1-000, set up 0...25 kPa	
XMD	Differential pressure transmitter (0...7,5 / 200 kPa)	
Code	Measuring pressure	
340	Differential pressure	
Code	Range	Overpressure
0750	0...7,5 kPa (75 mbar)	13 MPa (130 bar)
4000	0...40 kPa (400 mbar)	13 MPa (130 bar)
2001	0...200 kPa (2 bar)	13 MPa (130 bar)
7001	0...700 kPa (7 bar)	13 MPa (130 bar)
2002	0...2 MPa (20 bar)	13 MPa (130 bar)
Code	Display	
A0	With LCD multiple-function indicator	
AN	Without local indicator	
Code	Output signal	
I	HART® 4...20 mA Intrinsic safety Ex ia (standard)	
G	HART® 4...20 mA Intrinsic safety Ex D (flameproof, PN max. 2 bar)	
Code	Accuracy	
1	0,1% of range	
P	0,1% of range with calibration including certificate	
Code	Electrical connection	
AK0	Terminal clamp	
Code	Mech.connection	
N56	1/4" NPT female thread	
Code		
1	Standard	
Code	Seals	
1	Viton (FKM) (standard)	
3	EPDM	
Code		
1	Standard	
Code	Version	
000	Standard	

Optional accessories		
Code	Electrical connection Ex ia (standard)	
1001871	Blind flange Ex ia (M20x1,5 thread)	
1001460	Cable gland Ex ia (M20x1,5 thread)	
Code	Electrical connection Ex D (flameproof)	
1001438	Blind flange Ex D (M20x1,5 thread)	
1001870	Cable gland Ex D (M20x1,5 thread)	
Code	Process connection	
5002322	Blind flange (1/4"-18 NPT external thread)	
1003217	Blind flange with venting (1/4"-18 NPT external thread)	
1002456	Screw M 10x40 DIN 933 A2	

Diaphragm seal		
	The price of the mechanical connection from pricelist of DMP_331P Capillary tube (price for 1m)	
Extended Flange-Type Diaphragm		
	DN 50 - length of the tube up to 100 mm DN 80 - length of the tube up to 100 mm DN 100 - length of the tube up to 100 mm DN ** - length of the tube between 100-200 mm	

Differential pressure set up is possible in ratio 1:10

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.




**DS 4 OEM pressure switch for pneumatics / vacuum**

TYPE	Code e.g. DS 4, 680-1002-1-0-Q00-Q00-5-000-000	
DS 4	Pressure switch (0...1 / 10 bar)	
Code	Measured pressure	
680	gauge	
Code	Range	
1001	0.....1,0 bar	
3501	0.....3,5 bar	
1002	0.....10,0 bar	
X102	-1.....0 bar	
XXXX	underpressure	
9999	Customer	
Code	Number of switching output	
0	without switching output	
1	1 switching output	
2	2 switching output	
Code	Analogue output	
0	Without analogue output	
C	1...5 V / 3-wire	
9	Customer	
Code	Electrical connection	
QA2	M 8 x 1 (4-pin) + plug with cable (2m)	
999	Customer	
Code	Mechanical connection	
Q00	G 1/8" internal thread	
R00	M 5 x 1 internal thread	
999	Customer	
Code	Seals	
5	NBR	
9	Customer	
Code	Setting code	
000	BD SENSORS setting - standard	
999	Customer	
Code	Specials versions	
000	Standard	
999	Customer	

Software for the pressure switch DS 4		
P_6G	P6-DS6-N01-000 - Programming device P6 for DS6	
CIS_G	ADAPT 3 + SW P-SET for DS 6 and incl. cable	

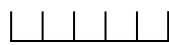
0,-...without additional charge

On request...in accordance with the producer

**Attention: a discount for DS 4 - according to agreement. No standard customers discount.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.





**DS 6 Industrial pressure switch hydraulics**

TYPE	Code e.g. DS 6, 685-1002-1-0-N10-300-1-000-000	
DS 6	Pressure switch (0...2 / 400 bar)	
Code	Measured pressure	
685	gauge	
686	absolute	
Code	Range	
2001	0.....2,0 bar	
5001	0.....5,0 bar	
1002	0....10,0 bar	
2002	0...20,0 bar	
5002	0...50,0 bar	
1003	0...100,0 bar	
2003	0...200,0 bar	
4003	0...400,0 bar	
9999	Customer	
Code	Number of switching output	
0	without switching output	
1	1 switching output	
2	2 switching output	
Code	Analogue output	
0	Without analogue output	
9	Customer	
Code	Electrical connection	
N11	M 12 x 1 (5-pin)	
999	Customer	
Code	Mechanical connection	
300	G 1/4" DIN 3852	
999	Customer	
Code	Seals	
1	Viton (FKM) ( $P_N < 100$ bar)	
5	NBR ( $P_N \geq 100$ bar)	
9	Customer	
Code	Setting code	
000	BD SENSORS setting - standard	
999	Customer	
Code	Specials versions	
000	Standard	
007	Version for oxygen	
999	Customer	

Software for the pressure switch DS 6	
P_6G	P6-DS6-N01-000 - Programming device P6 for DS6
CIS_G	ADAPT 3 + SW P-SET for DS 6 and incl. cable

0,-...without additional charge

On request...in accordance with the producer

**Attention: a discount for DS 6 - according to agreement. No standard customers discount.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS


**DS 200 Electronic pressure switch  
with analogue output and stainless steel sensor**

TYPE	Code e.g. DS 200, 780-1001-1-1-5-100-100-1-000	
DS 200	Electronic pressure switch - transmitter (0...0,1 / 600 bar)	
Code	Measured pressure	
780	gauge (0...0,1 / 600 bar)	
781	absolute (0...0,1 / 600 bar)	
Code	Range	
1000	0.....100 mbar	
1600	0.....160 mbar	
2500	0.....250 mbar	
4000	0.....400 mbar	
6000	0.....0,6 bar	
1001	0.....1,0 bar	
1601	0.....1,6 bar	
2501	0.....2,5 bar	
4001	0.....4,0 bar	
6001	0.....6,0 bar	
1002	0...10,0 bar	
1602	0...16,0 bar	
2502	0...25,0 bar	
4002	0...40,0 bar	
6002	0...60,0 bar	
1003	0...100,0 bar	
1603	0...160,0 bar	
2503	0...250,0 bar	
4003	0...400,0 bar	
6003	0...600,0 bar	
X102	-1.....0 bar	
XXXX	underpressure	
9999	Customer	
Code	Electrical output / Analog output	
1	4...20 mA / 2-wire	
2	0...20 mA / 3-wire	
3	0...10 V / 3-wire	
7	4...20 mA / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Switching output	
0	without switching contact	
1	1 switching contact (version 3-wire only with 5-pin connector)	
2	2 switching contacts (only with 5-pin connector)	
4	4 switching contacts (version 3-wire only with 8-pin connector)	
Code	Accuracy	
5	0,5% ( $P_N \leq 0,4$ bar)	
3	0,35% (standard) ( $P_N > 0,4$ bar)	
2	0,25% ( $P_N > 0,4$ bar)	
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)	
S	0,35% calibration including certificate ( $P_N > 0,4$ bar)	
R	0,25% calibration including certificate ( $P_N > 0,4$ bar)	
M	Measured values table for accuracy 0,35% (only on customer request)	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400)	
400	Cable gland PG7 / cable length specify + PVC cable / 1 m	
N01	M 12 x 1 (5-pin) (Binder 713) / plastic version	
M50	M 12 x 1 (8-pin) (Binder 713) / plastic version	
N11	M 12 x 1 (5-pin) (Binder 713) / metal version	
999	Customer	

Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852	
400	G 1/4" EN 837-1/-3 (manometric)	
500	M 20 x 1,5 DIN 3852	
600	M 12 x 1 DIN 3852	
700	M 10 x 1 DIN 3852	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
C00	M 12 x 1,5 DIN 3852	
F00	G 1/2" flush diaphragm (only for - 0,3≤PN<40 bar)	
N00	1/2" NPT	
N40	1/4" NPT	
999	Customer	
Code	Seals	
1	Viton (FKM) ( $P_N \leq 40$ bar)	
2	Without seals - welded (only with EN 837-1/-3; only for $0,16 \leq P_N < 170$ bar)	
3	EPDM ( $P_N < 160$ bar)	
5	NBR ( $P_N > 40$ bar)	
9	Customer	
Code	Specials versions	
000	Standard	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS


**DS 200 P Electronic pressure switch  
with flush process connection**

TYPE	Code e.g. DS 200 P, 785-1002-1-1-5-100-Z00-1-1-1-000
DS 200 P	Electronic pressure switch - transmitter (0...0,1 / 40 bar)
Code	Measured pressure
785	gauge
786	absolute ( $P_N > 0,6$ bar) (temperature max. 70°C)
Code	Range
1000	0.....100 mbar
1600	0.....160 mbar
2500	0.....250 mbar
4000	0.....400 mbar
6000	0.....0,6 bar
1001	0.....1,0 bar
1601	0.....1,6 bar
2501	0.....2,5 bar
4001	0.....4,0 bar
6001	0.....6,0 bar
1002	0....10,0 bar
1602	0....16,0 bar
2502	0....25,0 bar
4002	0....40,0 bar
X102	-1....0 bar (temperature max. 70°C)
XXXX	underpressure (temperature max.70°C)
9999	Customer
Code	Electrical output / Analog output
1	4...20 mA / 2-wire
2	0...20 mA / 3-wire
3	0...10 V / 3-wire
7	4...20 mA / 3-wire
E	Intrinsic safety Ex ia 4...20 mA/2-wire
9	Customer
Code	Switching output
0	without switching contact
1	1 switching contact (3-wire output only with 5-pin connector)
2	2 switching contacts (only with 5-pin connector)
4	4 switching contacts (version 3-wire only with 8-pin connector)
Code	Accuracy
5	0,5% ( $P_N \leq 0,4$ bar)
3	0,35% (standard) ( $P_N > 0,4$ bar)
2	0,25% ( $P_N > 0,4$ bar)
T	0,50% calibration including certificate ( $P_N \leq 0,4$ bar)
S	0,35% calibration including certificate ( $P_N > 0,4$ bar)
R	0,25% calibration including certificate ( $P_N > 0,4$ bar)
M	Measured values table for accuracy 0,35% (only on customer request)
9	Customer
Code	Electrical connection
100	Connector DIN 43650 (ISO 4400)
400	Cable gland PG7 / cable length specify + PVC cable / 1 m
N01	M 12 x 1 (5-pin) (Binder 713) / plastic version
M50	M 12 x 1 (8-pin) (Binder 713) / plastic version
N11	M 12 x 1 (5-pin) (Binder 713) / metal version
999	Customer

**Settings in temperature different from basic 20°C (+/- 10°C, max. 70 bar and 200°C)**

Code	Mechanical connection
Z00	G 1/2" DIN 3852 ( $P_N > 2,5$ bar)
D04	M 20 X 1,5 DIN 3852 ( $P_N > 2,5$ bar)
Z30	G 3/4" DIN 3852 ( $P_N > 0,6$ bar)
Z31	G 1" DIN 3852 ( $P_N > 0,25$ bar)
Z33	G 1 1/2" DIN 3852
Z57	G 1" DIN 3852 2X O ring ( $P_N > 0,25$ bar)
C61	Clamp DN 1" ( $P_N > 0,6$ bar)
C62	Clamp DN 1 1/2" ( $P_N > 0,4$ bar)
C63	Clamp DN 2" ( $P_N > 0,25$ bar)
M73	DIN 11851 DN 25 ( $P_N > 0,6$ bar)
M75	DIN 11851 DN 40 ( $P_N > 0,4$ bar)
M76	DIN 11851 DN 50 ( $P_N > 0,25$ bar)
S61	"sandwich" DN 25
S76	"sandwich" DN 50
S80	"sandwich" DIN 2501 DN 80
D15	M 22 X 1,5 DIN 3852 ( $P_N > 2,5$ bar)
F20	Flange DN 25/PN40 DIN 2501 (without seals)
F23	Flange DN 50/PN40 DIN 2501 (without seals)
F24	Flange DN 80/PN40 DIN 2501 (without seals)
F25	Flange DN 100/PN16 DIN 2501 (without seals)
999	Customer
Code	Diaphragm
1	Stainless steel 1.4435
9	Customer
Code	Seals - wetted media (only for inch thread)
0	Without seals (Clamp ,dairy pipe DIN, sandwich, flange, varivent)
1	Viton (FKM)
3	EPDM
9	Customer
Code	Filling fluids
1	Silicone oil
2	Edible oil for foodstuff industry (temperature max. 150°C)
C	Halocarbon
9	Customer
Code	Specials versions
000	Standard
150	With cooling element from 125°C up to 150°C
200	With cooling element from 150°C up to 300°C ( $P_N \leq 70$ bar max. 200°C permanent)
999	Customer

0,-...without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration and other calibration temperature is not subject to reduction.**

**When you make an order it is necessary to fill the questionnaire for transmitters with separators !!!**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.





## PRICE LIST

## PRESSURE TRANSMITTERS


**DS 201 Electronic pressure switch  
with analogue output and ceramic diaphragm**

TYPE	Code e.g. DS 201, 782-1001-1-1-5-100-100-1-1-2-000	
DS 201	Electronic pressure switch - transmitter (0...0,1 / 600 bar)	
Code	Measured pressure	
782	gauge (0...0,1 / 600 bar)	
78E	gauge (1...6000 m H <sub>2</sub> O)	
783	absolute (0...0,1 / 600 bar)	
Code	Range	
4000	0.....400 mbar	
6000	0.....0,6 bar	
1001	0.....1,0 bar	
1601	0.....1,6 bar	
2501	0.....2,5 bar	
4001	0.....4,0 bar	
6001	0.....6,0 bar	
1002	0...10,0 bar	
1602	0...16,0 bar	
2502	0...25,0 bar	
4002	0...40,0 bar	
6002	0...60,0 bar	
1003	0...100,0 bar	
1603	0...160,0 bar	
2503	0...250,0 bar	
4003	0...400,0 bar	
6003	0...600,0 bar	
X102	-1.....0 bar (accuracy 1%)	
XXXX	Underpressure	
9999	Customer	
Code	Electrical output / Analog output	
0	without	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
7	4...20 mA / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Switching output	
0	without switching contact	
1	1 switching contact (version 3-wire only with 5-pin connector)	
2	2 switching contacts (only with 5-pin connector)	
4	4 switching contacts (version 3-wire only with 8-pin connector)	
Code	Accuracy	
5	0,50%	
8	1 % (for underpressure)	
T	0,50% calibration including certificate	
U	1 % calibration including certificate	
9	Customer	
Code	Electrical connection	
100	Connector DIN 43650 (ISO 4400)	
400	Cable gland PG7 / cable length specify + PVC cable / 1 m	
N01	M 12 x 1 (5-pin) (Binder 713) / plastic version	
M50	M 12 x 1 (8-pin) (Binder 713) / plastic version	
N11	M 12 x 1 (5-pin) (Binder 713) / metal version	
999	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852	
400	G 1/4" EN 837-1/-3 (manometric)	
500	M 20 x 1,5 DIN 3852	

600	M 12 x 1 DIN 3852	
700	M 10 x 1 DIN 3852	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
F00	G 1/2" flush diaphragm (only for - 0,3≤PN<40 bar)	
N00	1/2" NPT	
N40	1/4" NPT	
999	Customer	
<b>Code</b>	<b>Seals</b>	
1	Viton (FKM) ( $P_N \leq 40$ bar)	
3	EPDM ( $P_N < 160$ bar)	
5	NBR ( $P_N > 40$ bar)	
9	Customer	
<b>Kód</b>	<b>Pressure port</b>	
1	Stainless steel 1.4404 (316 L)	
B	PVDF ( $P_N \leq 60$ bar)( only with connection <b>G1/2" DIN 3852 open port H00</b> )	
9	Customer	
<b>Kód</b>	<b>Diaphragm</b>	
2	Ceramics Al <sub>2</sub> O <sub>3</sub> 96%	
<b>Code</b>	<b>Specials versions</b>	
000	Standard	
007	Oxygen applications	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

Standard EN 837-1/-3 corresponds to original Standard DIN 16288

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

**PA 430 Plug-on display self powered**

TYPE	Code e.g. PA 430, 850-1-1-100-1-1-000	
PA 430	Plug-on display	
Code	Version	
850	Standard version	
Code	Electrical signal	
1	4...20 mA / 2-wire	
3	0...10 V / 3-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Switching output	
0	Without switching output	
1	1 PNP - switching output (3-wire output only 5-pin connector)	
2	2 PNP - switching output ( only 5-pin connector, 200, N00)	
Code	Electrical connection / Output (transmitter)	
100	Connector DIN 43650 (ISO 4400) (IP 65)	
200	Connector Binder 723 - 5-pin ( IP 65)	
N10	Connector M 12x1 5-pin metal version (IP 65)	
Code	Unit description	
0	without description	
1	bar	
2	mbar	
3	m H <sub>2</sub> O	
4	Mpa	
5	kPa	
A	mA	
C	°C	
D	°C dp	
K	Kelvin	
M	mm/s	
P	%	
V	Volt	
9	Customer	
Code	Label on display	
1	Standard	
N	Neutral	
9	Customer	
Code	Specials versions	
000	Standard	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

**With connector DIN 43650 and output 4...20 mA/2-wire only max. 1 switching output possible;**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

PA 440 *Field display*

TYPE	Code e.g. PA 440, 851-1-0-1-1-C-G-000	
PA 440	Field display	
Code	Version	
851	Standard version	
Code	Electrical signal	
1	4...20 mA / 2-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Switching output	
0	Without switching output	
2	2 PNP - switching output ( only with LED display)	
Code	Unit description	
0	without description (lables included)	
1	bar	
2	mbar	
3	m H2O	
4	Mpa	
5	kPa	
A	mA	
C	°C	
D	°C dp	
K	Kelvin	
M	mm/s	
P	%	
V	Volt	
9	Customer	
Code	Label on display	
1	Standard	
N	Neutral	
9	Customer	
Code	Display	
C	LC display	
D	LED display	
Code	Housing material	
G	Plastic ABS	
L	Aluminium	
Code	Specials versions	
000	Standard	
101	Overvoltage protection (not possible for Ex version)	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.





## PRICE LIST

## PRESSURE TRANSMITTERS


**BAROLI 02 Battery powered digital pressure gauge  
with stainless steel sensor**

TYPE	Code e.g. BAROLI 02, M0E-1002-0-2-0K0-800-1-1-1-1-000	
BAROLI 02	Battery powered digital pressure gauge (0...0,1 / 600 bar)	
Code	Measured pressure	
M0E	gauge	
M0F	absolut	
Code	Range	
1000	0.....100 mbar	
1600	0.....160 mbar	
2500	0.....250 mbar	
4000	0.....400 mbar	
6000	0.....0,6 bar	
1001	0.....1,0 bar	
1601	0.....1,6 bar	
2501	0.....2,5 bar	
4001	0.....4,0 bar	
6001	0.....6,0 bar	
1002	0...10,0 bar	
1602	0...16,0 bar	
2502	0...25,0 bar	
4002	0...40,0 bar	
6002	0...60,0 bar	
1003	0...100,0 bar	
1603	0...160,0 bar	
2503	0...250,0 bar	
4003	0...400,0 bar	
6003	0...600,0 bar	
X102	-1...0 bar	
9999	Customer	
XXXX	Underpressure	
Code		
0		
Code	Accuracy	
2	0,25% (for $P_N > 0,4$ bar)	
5	0,5% (for $P_N \leq 0,4$ bar)	
R	0,25% (for $P_N > 0,4$ bar) calibration including certificate	
T	0,5% (for $P_N \leq 0,4$ bar) calibration including certificate	
9	Customer	
Code		
0k0		
Code	Mechanical connection	
200	G 1/2" EN 837	
400	G 1/4" EN 837	
800	M 20x1,5 EN 837	
N00	1/2" NPT	
N40	1/4" NPT	
9	Customer	
Code	Seals	
1	Viton (FKM) ( $P_N < 100$ bar)	
5	NBR ( $P_N \geq 100$ bar)	
9	Customer	
Code	Pressure port	
1	stainless steel 1.4404 (316 L)	
9	Customer	
Code	Diaphragm	
1	stainless steel 1.4435 (316 L)	
9	Customer	
Code	Front foil	
1	Standard (design BD Sensors)	
N	Neutral	
Code	Specials versions	

000	Standard	
999	Customer	
<b>Code</b>	<b>Accessories</b>	
1000377	Battery 2pcs	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS


**BAROLI 05 Battery powered digital pressure gauge  
with ceramic diaphragm**

Code e.g. BAROLI 05, M00-1002-0-5-0k0-800-1-1-2-1-000	
BAROLI 05	Battery powered digital pressure gauge (0...0,4 / 600 bar)
Code	Measured pressure
M00	gauge
M01	absolut
Code	Range
4000	0...400 mbar
6000	0.....0,6 bar
1001	0.....1,0 bar
1601	0.....1,6 bar
2501	0.....2,5 bar
4001	0.....4,0 bar
6001	0.....6,0 bar
1002	0....10,0 bar
1602	0....16,0 bar
2502	0....25,0 bar
4002	0....40,0 bar
6002	0....60,0 bar
1003	0...100,0 bar
1603	0...160,0 bar
2503	0...250,0 bar
4003	0...400,0 bar
6003	0...600,0 bar
X102	-1...0 bar (accuracy 1%)
9999	Customer
Code	
0	
Code	Accuracy
5	0,50%
T	0,5% calibration including certificate
8	1% ( $P_N < 0$ bar)
9	Customer
Code	
0k0	
Code	Mechanical connection
200	G 1/2" EN 837
400	G 1/4" EN 837
800	M 20x1,5 EN 837
N00	1/2" NPT
N40	1/4" NPT
9	Customer
Code	Seals
1	Viton (FKM) ( $P_N < 100$ bar)
5	NBR ( $P_N \geq 100$ bar)
9	Customer
Code	Pressure port
1	stainless steel 1.4404 (316 L)
9	Customer
Code	Diaphragm
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%
Code	Front foil
1	Standard (design BD Sensors)
N	Neutral
Code	Specials versions
000	Standard
999	Customer
Code	Accessories
1000377	Battery 2pcs

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.  
Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS

**DM 01 digital display for DM01**

TYPE	Code e.g. DM 01 - A21 , BD/LOG , USB-cable	
DM 01	Digital display for DM 01	
Code	Type	
A21 <sup>1</sup>	With communication interface	
A2E <sup>1</sup>	IS with communication interface	
1003632	Cable between USB a 3,5 mm jack with TTL-232R-5VAJ for USB convertor (1,7 m) + software BD LOG	

**DM01 Precision pressure transmitter for DM 01**

TYPE	Code e.g. DM 01, M0K-1001-0-B1-100-1-000	
DM01	Precision pressure transmitter (0...0,1 / 400 bar)	
Code	Measured pressure	
M0K	gauge	
M0L	absolute	
Code	Range	
1000	0.....0,1 bar	
1600	0.....0,16 bar	
2500	0.....0,25 bar	
4000	0.....0,4 bar	
6000	0.....0,6 bar	
1001	0.....1,0 bar	
1601	0.....1,6 bar	
2501	0.....2,5 bar	
4001	0.....4,0 bar	
6001	0.....6,0 bar	
1002	0.....10 bar	
1602	0.....16 bar	
2502	0.....25 bar	
4002	0.....40 bar	
6002	0.....60 bar	
1003	0.....100 bar	
1603	0.....160 bar	
2503	0.....250 bar	
4003	0.....400 bar	
X102	-1.....0 bar	
XXXX	underpressure	
9999	Customer	
Code	Version	
0	standard	
E	Intrinsic safety Ex ia	
Code	Accuracy	
B1	0,05 % BFSL ( $P_N \geq 0,4$ bar)	
B2	0,125 % BFSL ( $P_N < 0,4$ bar)	
9	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
300	G 1/4" DIN 3852	
400	G 1/4" EN 837-1/-3 (manometric)	
H00	G 1/2" DIN 3852 open pressure port	
N00	1/2" NPT	
N40	1/4" NPT	
999	Jiná	
Code	Seals	
1	Viton (FKM)	
2	Without - welded version (only with EN 837-1/-3 and for $P_N \leq 40$ bar)	

9	Customer	
<b>Code</b>	<b>Special version</b>	
000	Standard	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.





## PRICE LIST

## PRESSURE TRANSMITTERS

**DM 10 Battery powered digital pressure gauge**

TYPE	Code e.g. DM 10, M04-1002-0-B8-0k0-300-1-2-2-1-000
DM 10	Battery powered digital pressure gauge (0...0,4 / 600 bar)
Code	Measured pressure
M04	gauge
Code	Range
1601	0.....1,6 bar
2501	0.....2,5 bar
4001	0.....4,0 bar
6001	0.....6,0 bar
1002	0....10,0 bar
1602	0....16,0 bar
2502	0....25,0 bar
4002	0....40,0 bar
6002	0....60,0 bar
1003	0...100,0 bar
1603	0...160,0 bar
2503	0...250,0 bar
9999	Customer
Code	
0	
Code	Accuracy
B8	0,5% BFSL
99	Customer
Code	
0k0	
Code	Mechanical connection
300	G 1/4" DIN 3852
N40	1/4" NPT
999	Customer
Code	Seals
1	Viton (FKM) ( $P_N < 100$ bar)
9	Customer
Code	Pressure port
2	stainless steel 1.4404 (316 L)
9	Customer
Code	Diaphragm
2	Ceramic $Al_2O_3$ 96%
Code	Front foil
1	Standard (design BD Sensors)
N	Neutral
Code	Specials versions
000	Standard
999	Customer

0,-...without additional charge

On request...in accordance with the producer

**Additional charge for calibration is not subject to reduction.**

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.



## PRICE LIST

## PRESSURE TRANSMITTERS


**X|ACT i Precision pressure transmitter with  
LCD display for processing industry**

TYPE	Code e.g. X ACT i, 511-2001-KH-1-1-M10-800-1-1-1-000, set up 0...1,6 bar	
X ACT i	Pressure transmitter (0...0,4 / 40 bar)	
Code	Measured pressure	
511	gauge	
512	absolute	
Code	Range	
4000	0.....400 mbar	
1001	0.....1,0 bar	
2001	0.....2,0 bar	
4001	0.....4,0 bar	
1002	0....10,0 bar	
2002	0....20,0 bar	
4002	0....40,0 bar	
S400	-400.....400 mbar	
S102	-1.....1 bar	
V202	-1.....2 bar	
V402	-1.....4 bar	
V103	-1...10 bar	
XXXX	Other underpressure	
9999	Customer	
Code	Design	
KH	Stainless steel ball housing (side display) (IP 67)	
K4	Stainless steel ball housing (45° display) (IP 67)	
Code	Electrical output / Analog output	
1	4...20 mA / 2-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
I	HART® - Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
1	0,10% of range	
P	0,10% of range with calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
9	Customer	
Code	Electrical connection	
M10	M 12 x 1 (4-pin) (Binder 713) / metal version (stainless steel ball housing)	
999	Customer	
Code	Mechanical connection	
200	G 1/2" EN 837-1/-3 (manometric)	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
N00	1/2" NPT	
Z00	G 1/2" DIN 3852 ( $P_N > 2,5$ bar)	
D04	M 20 x 1,5 DIN 3852 ( $P_N > 2,5$ bar)	
Z30	G 3/4" DIN 3852 ( $P_N > 0,6$ bar)	
Z31	G 1" DIN 3852 ( $P_N > 0,25$ bar)	
Z33	G 1 1/2" DIN 3852	
Z57	G 1" DIN 3852 2x O ring ( $P_N > 0,25$ bar)	
C61	Clamp DN 1" ( $P_N > 0,6$ bar)	
C62	Clamp DN 1 1/2" ( $P_N > 0,4$ bar)	
C63	Clamp DN 2" ( $P_N > 0,25$ bar)	
M73	Dairy pipe DIN 11851 DN 25 ( $P_N > 0,6$ bar)	
M75	Dairy pipe DIN 11851 DN 40 ( $P_N > 0,4$ bar)	
M76	Dairy pipe DIN 11851 DN 50 ( $P_N > 0,25$ bar)	
S61	"sandwich" DN 25	
S76	"sandwich" DN 50	
S80	"sandwich" DIN 2501 DN 80	
D15	M 22 x 1,5 DIN 3852 ( $P_N > 2,5$ bar)	
F20	Flange DN 25/PN40	
F23	Flange DN 50/PN40	

F25	Flange DN 100/PN16	
P41	Varivent DN 40/50	
999	Customer	
<b>Code</b>	<b>Diaphragm</b>	
1	Stainless steel 1.4435	
H	Hastelloy	
T	Tantalum	
9	Customer	
<b>Code</b>	<b>Seals - wetted media (only for inch thread)</b>	
0	Without seals (Clamp ,dairy pipe DIN, sandwich, flange, varivent)	
1	Viton (FKM)( $P_N < 40$ bar)	
F	Viton (FKM) up to $-40^{\circ}\text{C}$ (for special version 022) ( $P_N < 100$ bar)	
2	Without seals - welded (only with EN 837-1/-3; only for $1,0 \leq P_N < 170$ bar)	
3	EPDM ( $P_N < 40$ bar)	
5	NBR ( $P_N > 40$ bar)	
9	Customer	
<b>Code</b>	<b>Filling fluids</b>	
1	Silicone oil	
2	Food compatible oil (temperature max. $150^{\circ}\text{C}$ )	
C	Halocarbon	
9	Customer	
<b>Code</b>	<b>Specials versions</b>	
000	Standard	
022	Temperature compensation $-40 \dots +60^{\circ}\text{C}$ (only with seals "F" or welded "2")	
150	With cooling element from $125^{\circ}\text{C}$ up to $150^{\circ}\text{C}$	
200	With cooling element from $150^{\circ}\text{C}$ up to $300^{\circ}\text{C}$ ( $P_N \leq 70$ bar max. $200^{\circ}\text{C}$ permanent)	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

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## PRICE LIST

## PRESSURE TRANSMITTERS



**X|ACT c i Precision pressure transmitter with  
LCD display for processing industry with ceramics sensor**

TYPE	Code e.g. X ACT ci, 51E-1001-KH-1-B-M10-M00-2-1-1-000	
X ACT c i	Pressure transmitter (0...0,06 / 20 bar)	
Code	Measured pressure	
51E	gauge	
Code	Range	
0600	0.....60 mbar	
1600	0....160 mbar	
4000	0...400 mbar	
1001	0.....1,0 bar	
2001	0.....2,0 bar	
5001	0.....5,0 bar	
1002	0....10,0 bar	
2002	0.....20,0 bar	
9999	Customer	
Code	Design	
KH	Stainless steel ball housing (side display) (IP 67)	
K4	Stainless steel ball housing (45° display) (IP 67)	
Code	Electrical output / Analog output	
1	4...20 mA / 2-wire	
E	Intrinsic safety Ex ia 4...20 mA/2-wire	
I	HART® - Intrinsic safety Ex ia 4...20 mA/2-wire	
9	Customer	
Code	Accuracy	
1	0,10% of range	
P	0,10% of range wiht calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
9	Customer	
Code	Electrical connection	
M10	M 12 x 1 (4-pin) (Binder 713) / metal version (stainless steel ball housing)	
999	Customer	
Code	Mechanical connection	
M00	G 1 1/2" DIN 3852 with flush sensor diaphragm	
C62	Clamp DN 1 1/2"	
C63	Clamp DN 2"	
M73	Dairy pipe DIN 11851 DN 25	
M75	Dairy pipe DIN 11851 DN 40	
M76	Dairy pipe DIN 11851 DN 50	
S61	"sandwich" DN 25	
S76	"sandwich" DN 50	
S80	"sandwich" DIN 2501 DN 80	
F20	Flange DN 25/PN40	
F23	Flange DN 50/PN40	
F25	Flange DN 100/PN16	
P41	Varivent DN 40/50	
999	Customer	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for 0,1 ≤ P <sub>N</sub> ≤ 1 bar)	
9	Customer	
Code	Seals - wetted media (only for inch thread)	
1	Viton (FKM)	
3	EPDM	
9	Customer	
Code	Pressure port	
1	Stainless steel 1.4571	
B	PVDF (only for mech.connection M00)	
9	Customer	

Code	Specials versions	
000	Standard	
999	Customer	

0,-...without additional charge

On request...in accordance with the producer

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## PRICE LIST

## PRESSURE TRANSMITTERS


**XMP i Precision pressure transmitter with  
LCD display for processing industry**

TYPE	Code e.g. XMP i, 511-1002-FV-H-1-Ak0-100-1-1-1-000	
XMP i	Pressure transmitter (0...0,4 / 600 bar)	
Code	Measured pressure	
511	gauge	
512	absolute	
Code	Range	
4000	0.....400 mbar	
1001	0.....1,0 bar	
2001	0.....2,0 bar	
4001	0.....4,0 bar	
1002	0....10,0 bar	
2002	0....20,0 bar	
4002	0....40,0 bar	
S400	-400.....400 mbar	
S102	-1.....1 bar	
V202	-1.....2 bar	
V402	-1.....4 bar	
V103	-1...10 bar	
XXXX	Underpressure	
1003	0...100,0 bar	
2003	0...200,0 bar	
4003	0...400,0 bar	
6003	0...600,0 bar	
9999	Customer	
Code	Design	
FV	Stainless steel field housing with display (IP 67)	
FN	Stainless steel field housing (IP 67)	
A0	Aluminium die cast case with display (IP 67)	
AN	Aluminium die cast case (IP 67)	
Code	Electrical output / Analog output	
H	HART® - 4...20 mA/2-wire	
I	HART® - Intrinsic safety Ex ia 4...20 mA/2-wire	
G	HART® 4...20 mA IS - Ex D flameproof (only with Al. case and thread conn., PN max. 40 bar)	
9	Customer	
Code	Accuracy	
1	0,10% of range	
P	0,10% of range with calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
9	Customer	
Code	Electrical connection	
AK0	Terminal clamp - alu housing	
880	Terminal clamp - stainless steel field housing	
999	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
800	M 20 x 1,5 EN 837-1/-3 (manometric)	
N00	1/2" NPT	
Z00	G 1/2" DIN 3852 ( $P_N > 2,5$ bar)	
D04	M 20 x 1,5 DIN 3852 ( $P_N > 2,5$ bar)	
Z30	G 3/4" DIN 3852 ( $P_N > 0,6$ bar)	
Z31	G 1" DIN 3852 ( $P_N > 0,25$ bar)	
Z33	G 1 1/2" DIN 3852	
Z57	G 1" DIN 3852 2X O ring ( $P_N > 0,25$ bar)	
C61	Clamp DN 1" ( $P_N > 0,6$ bar)	
C62	Clamp DN 1 1/2" ( $P_N > 0,4$ bar)	

C63	Clamp DN 2" ( $P_N > 0,25$ bar)	
M73	Dairy pipe DIN 11851 DN 25 ( $P_N > 0,6$ bar)	
M75	Dairy pipe DIN 11851 DN 40 ( $P_N > 0,4$ bar)	
M76	Dairy pipe DIN 11851 DN 50 ( $P_N > 0,25$ bar)	
S61	"sandwich" DN 25	
S76	"sandwich" DN 50	
S80	"sandwich" DIN 2501 DN 80	
D15	M 22 x 1,5 DIN 3852 ( $P_N > 2,5$ bar)	
F00	G 1/2" DIN 3852 with flush sensor diaphragm (only for $-0,3 \leq P_N < 40$ bar)	
F20	Flange DN 25/PN40	
F23	Flange DN 50/PN40	
F25	Flange DN 100/PN16	
P41	Varivent DN 40/50	
999	Customer	
<b>Code</b>	<b>Diaphragm</b>	
1	Stainless steel 1.4435	
H	Hastelloy	
T	Tantalum	
9	Customer	
<b>Code</b>	<b>Seals - wetted media (only for inch thread)</b>	
0	Without seals (Clamp ,dairy pipe DIN, sandwich, flange, varivent)	
1	Viton (FKM) ( $P_N < 40$ bar)	
F	Viton (FKM) up to $-40^\circ\text{C}$ (for special version U22) ( $P_N < 100$ bar)	
2	Without seals - welded (only with EN 837-1/-3; only for $1,0 \leq P_N < 170$ bar)	
3	EPDM ( $P_N < 40$ bar)	
5	NBR ( $P_N > 40$ bar)	
9	Customer	
<b>Code</b>	<b>Filling fluids</b>	
1	Silicone oil	
2	Food compatible oil (temperature max. $150^\circ\text{C}$ )	
C	Halocarbon	
9	Customer	
<b>Code</b>	<b>Specials versions</b>	
000	Standard	
022	Temperature compensation $-40...+60^\circ\text{C}$ (only with seals "F" or welded "2")	
150	With cooling element from $125^\circ\text{C}$ up to $150^\circ\text{C}$	
200	With cooling element from $150^\circ\text{C}$ up to $300^\circ\text{C}$ ( $P_N \leq 70$ bar max. $200^\circ\text{C}$ permanent)	
999	Customer	

<b>Optional accessories (only for dural case)</b>		
<b>Code</b>	<b>Electrical connection Ex ia (standard)</b>	
1001871	Blind flange Ex ia (M20x1,5 thread)	
1001460	Cable gland Ex ia (M20x1,5 thread)	
<b>Code</b>	<b>Electrical connection Ex D (flameproof)</b>	
1001438	Blind flange Ex D (M20x1,5 thread)	
1001870	Cable gland Ex D (M20x1,5 thread)	

<b>3.1 material certificate for membrane and mechanical connection materials</b>		
<b>Settings in temperature different from basic <math>20^\circ\text{C}</math> (+/- <math>10^\circ\text{C}</math>, max. 70 bar and <math>200^\circ\text{C}</math>)</b>		

0,...without additional charge

On request...in accordance with the producer

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## PRICE LIST

## PRESSURE TRANSMITTERS


**XMP ci Precision pressure transmitter with  
LCD display for processing industry with ceramics sensor**

TYPE	Code e.g. XMP ci, 51E-1001-FV-H-B-Ak0-M00-2-1-1-000	
XMP ci	Pressure transmitter (0...0,06 / 20 bar)	
Code	Measured pressure	
51E	gauge	
Code	Range	
0600	0.....60 mbar	
1600	0....160 mbar	
4000	0...400 mbar	
1001	0.....1,0 bar	
2001	0.....2,0 bar	
5001	0.....5,0 bar	
1002	0....10,0 bar	
2002	0.....20,0 bar	
9999	Customer	
Code	Design	
FV	Stainless steel field housing with display (IP 67)	
FN	Stainless steel field housing (IP 67)	
A0	Aluminium die cast case with display (IP 67)	
AN	Aluminium die cast case (IP 67)	
Code	Electrical output / Analog output	
H	HART® - 4...20 mA/2-wire	
I	HART® - Intrinsic safety Ex ia 4...20 mA/2-wire	
G	HART® 4...20 mA IS - Ex D flameproof (only with Al. case and thread conn.)	
9	Customer	
Code	Accuracy	
1	0,10% of range	
P	0,10% of range with calibration including certificate	
I	0,10% production set up on selected range without certificate	
H	0,10% production set up on selected range with certificate	
9	Customer	
Code	Electrical connection	
AK0	Terminal clamp - alu housing	
880	Terminal clamp - stainless steel field housing	
999	Customer	
Code	Mechanical connection	
100	G 1/2" DIN 3852	
200	G 1/2" EN 837-1/-3 (manometric)	
M00	G 1 1/2" DIN 3852 with flush sensor diaphragm	
C62	Clamp DN 1 1/2"	
C63	Clamp DN 2"	
M73	Dairy pipe DIN 11851 DN 25	
M75	Dairy pipe DIN 11851 DN 40	
M76	Dairy pipe DIN 11851 DN 50	
S61	"sandwich" DN 25	
S76	"sandwich" DN 50	
S80	"sandwich" DIN 2501 DN 80	
F00	G 1/2" DIN 3852 with flush sensor diaphragm ( $P_N \leq 25$ bar)	
F20	Flange DN 25/PN40	
F23	Flange DN 50/PN40	
F25	Flange DN 100/PN16	
P41	Varivent DN 40/50	
999	Customer	
Code	Diaphragm	
2	Ceramic Al <sub>2</sub> O <sub>3</sub> 96%	
C	Ceramic Al <sub>2</sub> O <sub>3</sub> 99,9% On request (only for $0,1 \leq P_N \leq 1$ bar)	
9	Customer	
Code	Seals - wetted media (only for inch thread)	
1	Viton (FKM)	

3	EPDM	
9	Customer	
<b>Code</b>	<b>Pressure port</b>	
1	Stainless steel 1.4571	
A	PVC (only for mech.connection M00)	
B	PVDF (only for mech.connection M00)	
9	Customer	
<b>Code</b>	<b>Specials versions</b>	
000	Standard	
999	Customer	

<b>Optional accessories (only for dural case)</b>		
<b>Code</b>	<b>Electrical connection Ex ia (standard)</b>	
1001871	Blind flange Ex ia (M20x1,5 thread)	
1001460	Cable gland Ex ia (M20x1,5 thread)	
<b>Code</b>	<b>Electrical connection Ex D (flameproof)</b>	
1001438	Blind flange Ex D (M20x1,5 thread)	
1001870	Cable gland Ex D (M20x1,5 thread)	

0,...without additional charge

On request...in accordance with the producer

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## KL 1 Terminal box Aluminium

TYPE	Code e.g. KL1 , KL1-ZB.601-100-000	
KL 1-ZB.601		
Code		
100	Standard	
101	over voltage protection	
1T0	thermo element PT 100	
1T1	thermo element and over voltage protection PT 100 <sup>1</sup>	
Code	special version	
000	standard	
999	customer	
1 only necessary if the submersible transmitter is equipped with a Pt100 temp.sensor		

## KL 2 Terminal box plastic with HART®

Type	Code e.g. KL2, KL2-ZB.601-200-000	
KL2-ZB.601		
Code		
200	standard	
201	over voltage protection	
220	version with 2 chanel	
2H0	HART® communication interface	
2H1	HART® communication interface and over voltage protection	
Code	special version	
000	standard	
999	customer	
HART® is a registered trade mark of HART Communication Foundation		

0,-...without additional charge

On request...in accordance with the producer

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**Accessories  
for pressure and hydrostatic  
level transmitters**

DESCRIPTION	
<b>Code</b>	
<b>Stainless steel shock absorbers for pressure transmitters</b>	
TTR 1	TTR 1 M 20 x 1,5 EN 837-1/-3 / M 20 x 1,5 (DIN 3852, EN 837-1/-3)
TTR 2	TTR 2 M 20 x 1,5 EN 837-1/-3 / G 1/2" (DIN 3852, EN 837-1/-3)
TTR 3	TTR 3 M 20 x 1,5 EN 837-1/-3 / G 1/4" (DIN 3852, EN 837-1/-3)
TTR 4	TTR 4 G 1/2" EN 837-1/-3 / G 1/2" (DIN 3852, EN 837-1/-3)
TTR 5	TTR 5 G 1/2" EN 837-1/-3 / M 20 x 1,5 (DIN 3852, EN 837-1/-3)
TTR 6	TTR 6 G 1/4" EN 837-1/-3 / G 1/4" (DIN 3852, EN 837-1/-3)
TTR 7	TTR 7 G 1/2" EN 837-1/-3 / G 1/4" (DIN 3852, EN 837-1/-3)
TTR 8	TTR 8 G 1/4" EN 837-1/-3 / M 20 x 1,5 (DIN 3852, EN 837-1/-3)
TTR 9	TTR 9 G 1/4" EN 837-1/-3 / G 1/2" (DIN 3852, EN 837-1/-3)
<b>Cooling element</b>	
1000847	Condensation loop rolled 1780069 carbon steel 11523 (max.300°C)
1001476	Condensation loop rolled 1780061 stainless steel 17248 (max.300°C)
1001475	Condensation loop curved 1780067 carbon steel 11523 (max.300°C)
1002283	Condensation loop curved 1780059 stainless steel 17248 (max.300°C)
<b>Power supplies</b>	
1001291	ZUM 24 VS2 (2 W)
1001290	ZS - 030 (for intrinsic safety EEx ia IIC T4)
<b>Display units</b>	
5007133	PM 190 (supply 230 V AC) <i>Process Display</i>
1001340	Connector for PM 190 (with solder-type terminals)
<b>The others accessories</b>	
<b>Accessories for DIN 11851:</b>	
1001029	Cup nut DN025, 1.4301
1002471	Cup nut DN032, 1.4301
1000457	Cup nut DN040, 1.4301
1001028	Cup nut DN050, 1.4301
1002883	Seal PERBUNAN DN 25
1002881	Seal PERBUNAN DN 32
1002109	Seal PERBUNAN DN 40
1000831	Seal PERBUNAN DN 50
1001030	Welding male part DN 25, 1.4301
1002884	Welding male part DN 32, 1.4301
1002882	Welding male part DN 40, 1.4301
1001925	Welding male part DN 50, 1.4301
<b>Accessories for CLAMP:</b>	
1002359	Clamp-connecting piece S-CLAMP DN025, 1.4404
1001067	Clamp-connecting piece S-CLAMP DN040, 1.4404
1001040	Clamp-connecting piece S-CLAMP DN050, 1.4404
1001039	Clamp-quick coupling CLAMP DN 1" 1.4301 for DN 25-40
1001041	Clamp-quick coupling CLAMP DN 2" 1.4301 for DN 50
1002213	Seal-clamp DN040 SILI

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