

## MC-01 MT-02



### Operation

The MC-01 and MT-02 digital displays are measuring transducers, which are used in conjunction with the COVOL positive displacement meter.



### Application

The MC-01 and MT-02 digital displays are used together with the positive displacement meter COVOL for flow monitoring, volume-counting and batching.



### Features

The series proves itself through reliable function and easy handling. Further characteristics of these types are:

- Suitable for control panels
- Battery back up system
- Wide temperature range

### Installation hints

The operating instruction for MC-01 / MT-02 must be observed under any circumstances!

## Technical data

### Digital display MC-01

The MC-01 digital display is used in conjunction with the positive displacement meter COVOL, for example for flow monitoring and volume counting.

With the included preset counter batching is possible.

For this function a potential free relay output is provided.



Technical data	
Power supply	110, 220-240 , 24 V AC at 50-60 Hz, 12 (not with analog output), 24 V DC
Power consumption	< 3 VA
Signal input COVOL	reed contact, 0...100 Hz
Analog input (60 Ω input resistor)	0-20, 4-20 mA, 0-5, 0-10, 1-5, 2-10 V DC
Relay output (for preset counter)	1 A, 250 V AC, 60 VA
Accuracy	0,01 % (0,4 % at analog input signal)
Temperature range	-10 °C...+60 °C
Optional: analog output with 12 bit resolution (Not with analog input signal!)	0-20, 4-20 mA 0-5, 0-10, 1-5, 2-10 V DC
Display	2 lines, alphanumeric Display with 16 digits according to DIN 43700 (optional backlighted)
Housing dimensions	96 x 96 x 190 mm (w x d x l), for panel mounting, cut-out 90 x 90 mm
Counter	7 digits
Standard	Battery back up system, adaptive filter for stable display, flow display in in l / h or m <sup>3</sup> / h
Optional	remote push button for batching, IP-65 front protection

### Digital display MT-02

The MT-02 digital display is used in conjunction with the positive displacement meter COVOL for example for flow monitoring (no flow indication) and volume counting.

With the included preset counter batching is possible.

For this function a potential free relay output is provided.



Technical data	
Power supply	110, 220, 240 , 24 V AC at 50-60 Hz, 12, 24 V DC
Power consumption	< 1 VA
Signal input COVOL	reed contact, 0...100 Hz
Signal input TTL	5 V, 0...10000 Hz
Relay output (for preset counter)	1 A, 250 V AC, 200 VA
Accuracy	no lost pulses
Temperature range	-10 °C...+60 °C
Liter / pulse	0,00001...99,99999 (Standard) 0,0000001...0,9999999
Display	7 digits LED - display
Housing dimensions	96 x 96 x 190 mm (w x d x l), for panel mounting, cut-out 90 x 90 mm
Counter	7 digits
Standard	Battery back up system, remote push button for batching
Optional	Second relay, interface for 5 V or 10 V proximity sensor