ML210
Stationary Converter for Full Pipe Flow Meter Sensors

The ML210 is a stationary converter for full pipe sensors. It is either AC or DC powered. The ML210 is suited for connection to a large range of sensors for full pipe measurements. Refer to list beside.

When combined with one of the above mentioned sensors the ML210 with its 420 mA and contact closure outputs becomes a powerful full pipe flowmeter and data reporting system.

The ML210 provides users with a reliable solution for full pipe stationary flow monitoring applications. The standard model includes: an IP67 enclosure; a 3 key numerical key pad; a graphical backlit LCD display, 90-265 VAC, 18-63 VDC or 10-35 VDC power supply, one 0/4-20 mA output and two Pulses/Alarm outputs.

Technical Specifications

Supported Sensor
AVIMAG™ 1.5” & 2”
SEWER-MAG™
FloPipe Model FP180 & Model FP181
Mag-Meter™ MS1000 & MS2500

Enclosure
Material Painted aluminium die casting
Protection rate IP67 (when cover is closed & tighten)
Dimensions 140 x 160 x 140 mm (W x D x H)
Weight 3,10 kg

General Attributes
Programming 3 membrane keys
Serial interface RS485 (opt.) or RS232 (opt.)
Display Back lit graphic display 128x64 pixels
Data logger 32 values + 64 alarm events (other opt.)
Data storage Eeprom stored measuring values on power failure
Full scale value 0, 4-10 m/s
Galvanic isolation All the inputs/outputs are galvanically isolated from power supply up to 500 V
Bidirectional Yes with exception of AVIMAG™ (back flow indication only)
Dual range YES
Diagnostic function YES
Empty pipe detection YES
Batch function YES
CE certification YES

Outputs/Inputs
Pulse/Alarm output Two programmable function (pulses, alarms)
1,25 KHz, 100 mA, 40 Vdc (+2 opt.)
Analog output One 0/4-20 mA – RL = 1000Ω (+1 opt.)
Digital input One programmable function (totalizer reset)

Measurements Tolerance
Flow rate [volume] ±0,05% v.l.
Out 4-20 mA ±0,08% v.l.
Frequency out ±0,08% v.l.

Power Supply
AC 90-265 VAC at 45-66 Hz (20W/25VA)
Imax 0,25 A or
DC 10-35 VDC (20W) Imax 1,5 A or
18-63 VDC

AC or DC must be specified at time ordering.

Ambient Conditions
Operating temp. -20°C to +60°C

Note: Not all options are combinable. Other options may be available. Please refer to FLOW-TRONIC for more information.

Specifications are subject to change without notice
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www.flow-tronic.com

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