

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 4-20 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

AVI-MAG™ 1,5" & 2"
SEWER-MAG™
Flo-Pipe 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
Bi-directional Yes with exception of AVI-MAG™ (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)
I_{max} 0,25 A or
DC 10-35 VDC (20W) I_{max} 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
Updated: May 2016



FLOW-TRONIC NV

www.flow-tronic.com

Rue J.H. Cool 19a | B-4840 Welkenraedt | BELGIUM
Tél.: +32 (0)87 899 799 | Fax: +32 (0)87 899 790
E-mail: info@flow-tronic.com