FLOWMETER OCM910-E

- ✓ **Nominal Size 10 - 800mm**
- ✓ **Compact or remote Version**
- ✓ **Supply 115/230VAC or 24VDC**
- ✓ **Analog Output 4-20mA**
- ✓ **Two programmable Outputs**
- ✓ **Pipe Self Diagnostic**

Inductive Flowmeter OCM910E is an instrument for precise measurement of Flow Rate in conductive liquids. The principal of operation is a magnetic field which changes in accordance with the velocity of the liquid passing through the liner. Since there are no mechanical or moving parts in the flow profile, the flowmeter can be used for extremely polluted liquids containing even solid particles. The measurement is bidirectional. The achieved accuracy and stability are extremely high.

Flowmeter OCM190E is designed for chemical industry, water stations, paper industry, waste-water maintenance etc. Internal CPU provides all functions usually built in today's electronic flow meters, incl. low flow rate correction, frequency response setting, bandwidth of sensitivity setting at low flow rates, etc.

OCM910E is equipped with four isolated configurable pulses and frequency outputs. A current loop 4-20mA can be set for passive or active mode. Serial data port RS232 is available for configuration and communication with supervising controllers.

SPECIFICATIONS

Nominal size	DN10 to DN800
Nominal pressure	PN10 to PN25 (depending on diameter)
Flow range	0.1 to 10 m/s (0.02 to 5000 l/s)
Accuracy	0.5 % (0.5 to 10 m/s) from value, 1 % (0.1 to 0.5 m/s) from value
Max. Medium temperature	70°C (158°F) for rubber liner, 130°C (266°F) for PTFE liner
Ambient temperature	-20 to 60 °C (-4 to 140°F)
Power Supply	• 115/230V (+10%, -15%), 50/60Hz, automatic selection • Option:12V, 24V, 48V DC/50/60Hz
Power consumption	10 VA
Liner	Hard rubber or PTFE
Electrodes	CrNi stainless steel 1.4571, Hastelloy C276, Tantal
Measuring Tube	Stainless steel 1.4201, Dimensions in accordance with DIN 17457
Flange	Steel 1.0402 or higher. Dimensions in accordance with DIN 2501 (BS 4504), ANSI B16.5
Protection	Compact version: IP67, Option IP68: Remote Version: IP68, Converter: IP65
Outputs	• Frequency 0 to 12 kHz scalable in required Flowrates • Pulses 0 to 50 Hz scalable • 4 to 20 mA scalable
Communication	RS232
Display	• Flowrate (m^3/h, l/s, US.Gal/min, user display) • Volume (m^3, l, US.Gal, user display) • Various programmable volume modes
Control	• Magnetic Pointer • RS232
Low Flow cut-off	Free programmable level
Time Constant	Selectable from 1 to 20 sec.
Other features	• Test of excitation coils, status of pipe line
Conformity requirements	• LVD (Safety) according to EN 61010-1, EN61010-1/A2 • PED according to directive 97/23/EC • EMC: EN 61000/3-2, 3-3, EN 61000 4-3, 4-4, 4-5, 4-6, 4-8, 4-11, EN 61000/6-2, EN 50081-1.