

FL525

Electromagnetic flow meter



Description

The FL525 electromagnetic flowmeter is entirely made of polypropylene guaranteeing a corrosion resistance for a wide range of chemical agents. Its light weight and the simplicity of connection to the pipes with fittings, makes it easy to assemble and disassemble. There are different types of fittings to facilitate adaptation to a wide variety of configurations.

The FL525 flowmeter has no moving parts and allows free flow of liquids, minimizing noises. It is resistant to the wear from sand and debris that may be carried in the water flow, thus saving maintenance costs and downtime.

It can be used where the pipe configuration has tight spaces between pump, valves and flow meter. It is also equipped with a display that shows the instantaneous flow and total flow; it is available in two power supply versions: a 10 to 30Vdc one and a battery operated one.

Upon request, the FL525-01 meter can be connected to a pulse / current converter that transforms the pulses into a 4 ÷ 20mA output, or to a pulse / current converter also equipped with a digital display (totalizer + instantaneous flow).

The converter (with or without display) is equipped with wall mounting brackets. Every sensor is provided with a calibration certificate that attests the results of the test performed and all electromechanical features.

Manual read out with DATAVIEW.

Automatic read out with MINILOG, MYLOG.

Readout units with NATUN.

Applications

Flow measurement in wells with industrial wastewater.

Flow measurement in remediation operations.

Cooling water etc.



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Technical features

Model	FL525-01-XX*	FL525-02-XX*
Supply	10-30 Vcc	6 alkaline batteries or 2 lithium C batteries
Consumption	MAx 60mA; average 15mA	1-2 years or 2-4 years
Output	Pulse	----
Tube		1", 2" or 3"
Linearity	1% from 10% to 100%; 3% from 0% to 10%	
Speed	1" da 0.14 a 6.94 l/s; 2" da 0.37 a 18.9l/s; 3" da 0.88 a 42.3l/s	
Unit of measurement**	Instantaneous l/sec, l/min, M3/min Totalizer liter, mgl, M3	
Min. Conductivity	20 µS/cm	
Pressure	Up to 10 bar	
Operating temperature	-12 ÷ +54 °C	
Protection	IP65	
Material	Polypropylene	
Material electrodes	Hastelloy C	
Totalizer flow	8 digit	
Instantaneous flow	6 digit	
Dimension	1" 110x137x140mm; 2" 118x153x140mm; 3" 118x185x185	

Accessories

Pipe fittings for 1" tube	FL525-RA-01
Pipe fittings for 2" tube	FL525-RA-02
Pipe fittings for 3" tube	FL525-RA-03
Lithium C batteries package	FL525-BT-OC
Alkaline AA batteries package	FL525-BT-AA
External power supply	FL525-AL

*XX Indicate the tube diameter (-01 for 1" , -02 for 2" , -03 for 3")

** Specify at the time of the order, on-site changes are not possible