



## ***RPMAG - Electromagnetic flow meter with data logger built-in and Bluetooth***

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## ***Servicies***

### **After sale servicies**

Ordinary and extraordinary maintenance, installation, staff training, spare parts, calibration and calibration for measuring instruments.



## Product description

RPmag flowmeter is suitable for all of applications into "industrial process". Various materials for lining are available as well as electrodes made of tantalum, hastelloy c, titanium. Most common communication systems such as Modbus, Hart and by means of an app for Android smartphone via Bluetooth.

RPMAG has an integrated data logger for the recording of the measurements over time. It consist in an USB pen drive which is inserted behind the removable O-LED display VL701. The recorded data are stored into a TXT file which is compatible with Excel or other equivalent analisys software packages.

Main advantages:

bidirectional measurement;

extreme reliability;

excellent precision;

no moving parts;

no loss of pressure measures independently of the pressure, temperature, density and viscosity of the body.

With this extremely reliable measuring technique, standard measurement accuracy of 0.5% is achieved on the measured value, with the possibility of pushing accuracy to 0.2%. The calibration of the units is carried out individually on the bench certified at international level in compliance with European regulations.

Features

For conductive liquids ( $>5\text{?S/cm}$ ), even with a content of suspended solids

Range from 110000m<sup>3</sup>/h

MODUS, HART and BLUETOOTH communication protocol (opt.)

Best measurement accuracy  $\pm 0.2\%$

Power Supply 85÷265Vac, 12 or 24Vdc

4÷20mA, pulse and alarm output

RUBBER or PTFE lining material

Electrodes: SS316L; Hastelloy C; Titanium; Tantalum; Platinum

Datalogger

Third electrode for grounding



## General Features

<b>Range</b>	RPmag is able to process signals from fluids with flow rates of up to 10m / s in both directions (bidirectional meter)	<b>Response time</b>	Adjustable between 1 and 99 seconds
<b>Accuracy</b>	±0,5% standard; ±0,2% optional	<b>Data logging</b>	Internal data logger to USB pen drive for flow measurements and analog inputs storing; the measurement storage interval can be set from 15 to 3600 seconds
<b>Range</b>	PTFE DN10 ÷ DN500 / GOMMA DN65 ÷ DN2000	<b>Classificazione IP</b>	IP67
<b>Detector</b>	Electrodes material: SS316L - Hastelloy C - Titanium - Tantalum - Platinum	<b>Humidity</b>	0-100% RH to 150 °F (65 °C), not condensing
<b>Output</b>	4÷20mA: 0÷500? Frequency output: 0,1÷10000 Hz	<b>Max measure range</b>	<0,1m3/h ÷ >110000m3/h
<b>Repeatability</b>	±0,1%	<b>Power consumption</b>	Typical 6W, max. 8W
<b>Fluid conductivity</b>	>5?S/cm	<b>Fluid conductivity</b>	>5?S/cm