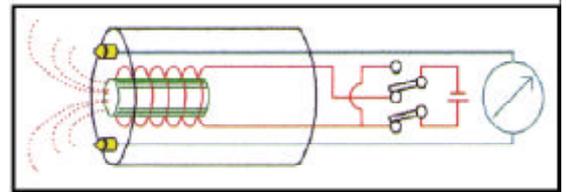


# MAGNUM SP



The Magnum SP is a special version of the basic Magnum insertion magnetic flowmeter design specifically intended for smaller pipes. The wafer style design allows installation of the sensor between two flanges while the removeable sensor still permits maintenance of the probe and electrodes if required.

This instrument is available in sizes 1" trough 3".



The instrument is setup through a Windows interface program connected to the remote transmitter of the Magnum. The transmitter can be located up to 50m away from the measurement location.

With its low power requirements and rugged reliability it is ideal for remote applications in the field as well standard measurement locations inside the plant.



[www.magnetometer.com](http://www.magnetometer.com)

Magnum is an entirely digital instrument. All internal functions of the flowmeter are controlled by software. Setup and configuration for applications are handled by the new Magio 3.0 software interface, which runs on any Windows based PCs. Setup can be done in the field on a laptop or in the office at a desktop PC.

Once the setup is completed the instrument can be installed. The only requirements are cabling for power in (12 VDC) and signal out (4-20mA). The Magnum SP also features optional hardware for data-logging.

## MAGNUM SP

### Digital Flowmeter

01	wafer style mounting depending on pipe size
02	mounting base N/A
03	mounting nipple N/A
04	o-rings Buna or Viton
05	lock nut N/A
06	position nut anodized aluminum
07	position ring 316 SS
08	snap ring spring steel
09	sensor type cylindrical probe
10	sensor body SS316 or other
11	electrode type conical protruding
12	electrode mat. 316SS
13	sensor tip Kynar or PEEK
14	grounding type integral body
15	transmitter micro-processor
16	analog output 0/4 to 20mA
17	impedance 800 ohm
18	protection isolated
19	pulsed output pulse/unit
20	communication RS 232
21	signal quality signal/noise ratio
22	indications insertion depth
23	reverse flow
24	empty pipe/air
25	user selectable engineer units
26	pipe dimension
27	flow rate span
28	auto ranging
29	digital filtering
30	power supply 12 V DC
31	enclosure class NEMA 4x
32	cable connection water tight plug
33	options data-logging
	20,000. samples
34	utilities output simulation
35	line size 1", 2", 3"
36	line material all types
38	connection flanged
39	connection valve N/A
40	liquid conductive
41	max. velocity unlimited
42	min. velocity .25 inch/s
43	temperature up to 200 deg. F
44	pressure up to 1500 psi
45	precision 0.5% of velocity at 100% of range
46	repeatability 99. 5%

EN 50081-1 (Emission)  
EN 50082-2, Performance Criterion C (Immunity)



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