

AgrimagP2

Advantages

- AgrimagP2 is a user friendly low cost flowmeter.
- Rigid polypropylene casing powered by external power supply.
- Corrosion resistant.
- With the built in most common outputs, 4-20mA and RS485.
- Available in DN 25, 50, 80 mm (1", 2" and 3") sizes.
- Connections offered: Manifold clamping flanges.
- Compatible with fitting kits for DIN, BSP, NPT and other common connections.
- Accuracy rating of 1%.

- 4-20mA and RS485 outputs
- External power supply
- Internal Data logger
- No earthing rings required

Features

- Sizes available: 25, 50, 80 mm
- 4 stainless steel electrodes
- Accuracy: $\pm 1\%$ from 10 % to 100 % of full scale range
- Power supply range is 9-35VDC
- Analogue output 4-20mA current loop
- RS485 Modbus RTU



Measurable media	Conductive fluids		
Min. Media electrical conductivity	$\geq 20\mu\text{S/cm}$		
Flow range	0.1 to 10 m/s		
Displayed values	Flow range (m ³ /h, l/s, l/m, US gal/min, UK gal/min), Volume (m ³ , l, US Gal, UK Gal), Total, Batch volume		
Accuracy	$\pm 1\%$ of reading from 100% to 10% of full scale $\pm 3\%$ of reading from 10% of full scale to cut-off		
Full scale	1": 0.5 – 4.8 l/s	2": 1.9 – 18.9 l/s	3": 5.0 – 49.0 l/s
Power supply	Agrimag: 6 AA alkaline batteries	AgrimagP, AgrimagP2: 9-35VDC Power supply available in special connector	
Flow direction	Bi-directional measurement		
Ambient temperature	-12 to 50°C (10 to 130°F)		
Media temperature	0 to 60°C (32 to 140°F)		
Working pressure	150psi or 10.3 bars		
Body material	Glass filled polypropylene		
Connections	Flange clamps		
Electrodes	4x stainless steel electrodes		
Display	LCD 128 x 64 px graphical, sleep mode		
Control	3 touch buttons		
Low flow cut-off	2% of full scale		
Electronics protection	Nema 4X standard		
Other features	Test of excitation coils, Earthing through 3rd and 4th electrodes, Empty pipe detection - battery conservation		
Excitation frequency	1/1.67s		
Samples per Average	4 excitations		
Coils resistance	100Ω		
Frequency output (AgrimagP)	Open collector proportional to flow 0-1000Hz for 0-Qmax, Max switching voltage 24VDC, max. current 50mA		
Current loop output (AgrimagP2)	Max. current 24mA		
Digital communication (AgrimagP2)	RS485 communication bus + I/O		
Digital data logger (AgrimagP2)	Flash memory 131072 records, 15seconds minimal record interval. Saves Date, Time and Total volume		