

AgrimagP

Applications

Plastic flowmeter with power supply for multiple applications.

- Industrial wastewater discharge
- Water Recycling Systems
- Irrigation
- Water Well Pump Stations

Advantages

AgrimagP is a user friendly low cost flowmeter. Rigid polypropylene casing powered by external power supply. 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%.

- One frequency output – open collector
- External power supply
- No moving parts
- 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



Agrimag

Applications

The battery powered flowmeter suitable for agricultural applications, usage monitoring, irrigation, well monitoring, industrial wastewater discharge, grey water, pulp plants, paper plants, turf and landscape applications.

- Industrial wastewater discharge
- Water Recycling Systems
- Irrigation
- Water Well Pump Stations

Advantages

Agrimag is a user friendly low cost flowmeter. It is one piece built in polypropylene, powered by 6 AA batteries. Connections offered: Manifold clamping flanges compatible with fitting kits for DIN, BSP, NPT and other common connections. Available in DN 25, 50, 80mm (1, 2 and 3 inches) sizes. Accuracy of 1% and a battery life of 1-3 years

- User friendly low cost flowmeter
- 6x AA Battery powered
- No moving parts
- Fast and easy pipe connection

Features

- Polypropylene body material
- Flange clamps connection
- Sizes available: 25, 50, 80 mm
- 4 stainless steel electrodes
- Battery life: 1 year with meter in use, 3 years on stock
- Empty pipe detection and battery saving mode



Agrimag Series technical specifications

Agrimag

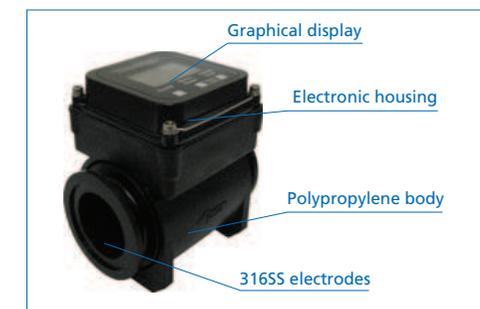
| | | | |
|------------------------------------|---|---|--------------------|
| Measurable media | Conductive fluids | | |
| Min. Media electrical conductivity | $\geq 20\mu\text{S/cm}$ | | |
| Flow range | 0.1 to 10 m/s | | |
| Displayed values | LCD display 128x64 PX graphical, Flow range (m ³ /h, 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, expected lifetime 1 year | AgrimagP: 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 | Open collector proportional to flow 0-1000Hz for 0-Qmax Max switching voltage 24VDC, max. current 50mA | | |

Installation with fitting kit



Fitting kits available for Manifold

| | 25 mm | 50 mm | 80 mm |
|----------------|------------------------------|------------------------|------------------------|
| Male BSP | 1" Male BSP | 2" Male BSP | 3" Male BSP |
| Female NPT | 1/2", 3/4" and 1" Female NPT | 2" Female NPT | 3" Female NPT |
| Male NPT | 3/4", 1" and 1.1/4" Male NPT | 2" Male NPT | 3" Male NPT |
| Male NPT in SS | 1" Male NPT | 1.1/2" and 2" Male NPT | 1.1/2" and 2" Male NPT |



Dimensions (in mm)

| | A | B | C | D | E | F |
|-------|-----|-----|-------|------|-------|--------|
| 25 mm | 100 | 130 | 80 | 25.4 | 139.7 | 41.402 |
| 50 mm | 100 | 150 | 82.55 | 50.8 | 139.7 | 51.562 |
| 80 mm | 100 | 180 | 111 | 76.2 | 185 | 64.8 |

