

Applications

Plastic flowmeter with power supply, datalogger, analogue and digital output for multiple applications.

- 🌿 Industrial wastewater discharge
- 🌿 Water Recycling Systems
- 🌿 Irrigation
- 🌿 Water Well Pump Stations
- 🌿 Construction
- 🌿 Grey water

Advantages

- AgrimagP2 is a user friendly low cost flowmeter.
- Digital datalogger - up to 131072 records.
- 4-20mA loop for easy connection with your current system.
- Modbus RTU for easy SCADA connection.
- Rigid polypropylene casing powered by external power supply.
- Compatible with fitting kits for DIN, BSP, NPT and other common connections.
- Accuracy rating of 1%.



Features

- 🌿 4-20mA loop and Modbus RTU
- 🌿 Internal Datalogger
- 🌿 External power supply
- 🌿 No earthing rings required

- 🌿 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

AgrimagP2 technical specifications

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	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		
Excitation frequency	1/1.67s		
Samples per Average	4 excitations		
Coils resistance	100Ω		
Current loop output	Max. current 24mA		
Digital Communication	RS485 communication bus + I/O		
Digital Data logger	Flash memory 131 072 records, 15 seconds minimal record interval. Saves Date, Time and Total volume		

MANIFOLD x MALE BSP

Available for sizes:	Description	Part number
25mm MAN	1" Manifold x 1" Male BSP	M100BSP
50mm MAN	2" Manifold x 2" Male BSP	M220BSP
80mm MAN	3" Manifold x 3" Male BSP	M300BSP



MANIFOLD x FEMALE NPT THREAD

Available for sizes:	Description	Part number
25mm MAN	1" Manifold x 1/2" Female NPT	M100050FPT
25mm MAN	1" Manifold x 3/4" Female NPT	M100075FPT
25mm MAN	1" Manifold x 1" Female NPT	M100FPT
50mm MAN	2" Manifold x 2" Female NPT	M220FPT
80mm MAN	3" Manifold x 3" Female NPT	M300FPT



MANIFOLD x NPT THREAD

Available for sizes:	Description	Part number
25mm MAN	1" Manifold x 3/4" Male NPT	M100075MPT
25mm MAN	1" Manifold x 1.1/4" Male NPT	M100125MPT
25mm MAN	1" Manifold x 1" Male NPT	M100MPT
50mm MAN	2" Manifold x 2" Male NPT	M220MPT
80mm MAN	3" Manifold x 3" Male NPT	M300MPT



MANIFOLD x MALE NPT THREAD – 316SS

Available for sizes:	Description	Part number
25mm MAN	1" Manifold x 3/4" Male NPT	M100MPTSS
25mm MAN	1" Manifold x 1.1/4" Male NPT	M220150MPTSS
25mm MAN	1" Manifold x 1" Male NPT	M220MPTSS
50mm MAN	2" Manifold x 2" Male NPT	M300220MPTSS
80mm MAN	3" Manifold x 3" Male NPT	M300MPTSS



MANIFOLD x MANIFOLD

Available for sizes:	Description	Part number
25mm MAN	1" Manifold x 1" Manifold	M100CPG
50mm MAN	2" Manifold x 2" Manifold	M220CPG
50mm MAN	2" Manifold x 2" Manifold x 6" long	M220CPG6
80mm MAN	3" Manifold x 3" Manifold x 4" long	M300CPG
80mm MAN	3" Manifold x 3" Manifold x 7" long	M300CPG7



MANIFOLD x FEMALE COUPIER QDC

Available for sizes:	Description	Part number
50mm MAN	2" Manifold x 2" Female coupler QDC	M220D



MANIFOLD X FEMALE QDC

Available for sizes:	Description	Part number
25mm MAN	1" Manifold x 1" Male QDC	M100A
50mm MAN	2" Manifold x 2" Male QDC	M220A
80mm MAN	3" Manifold x 3" Male QDC	M300A



MANIFOLD X HOSE BARB

Available for sizes:	Description	Part number
25mm MAN	1" Manifold x 3/4" Hose Barb	M100075BRB
25mm MAN	1" Manifold x 1" Hose Barb	M100BRB
25mm MAN	1" Manifold x 1.1/4" Hose Barb	M100125BRB
50mm MAN	2" Manifold x 1.1/4" Hose Barb	M220125BRB
50mm MAN	2" Manifold x 1.1/2" Hose Barb	M220150BRB
50mm MAN	2" Manifold x 2" Hose Barb	M220BRB
80mm MAN	3" Manifold x 2" Hose Barb	M300220BRB
80mm MAN	3" Manifold x 3" Hose Barb	M300BRB



CLAMP

Available for sizes:	Description	Part number
25mm MAN	1" Clamp	FC100
50mm MAN	2" Clamp	FC220
80mm MAN	3" Clamp	FC300



GASKET

Available for sizes:	Description	Part number
25mm MAN	1" Gasket EPDM	M101G
50mm MAN	2" Gasket EPDM	M221G
80mm MAN	3" Gasket EPDM	M301G



GASKET VITON TYPE

Available for sizes:	Description	Part number
25mm MAN	1" Gasket Viton type	M100GV
50mm MAN	2" Gasket Viton type	200GV
80mm MAN	3" Gasket Viton type	300GV

