



F5001 Electromagnetic Flowmeter

FEATURES

- Wide range of nominal diameter Size ½" to 80" with IP68 protection
- Flow Velocity range:0-15 m/s
- Designed for clean water > 5 uS/cm
- IP68 enclosure that can be used for underground applications
- High accuracy of ±0.5% of reading
- Empty pipe, current excitation and battery capacity alarms
- Self-detection, self-diagnostic functions, and safety alarms for upper and lower limit
- Features SMART excitation, which ensures zero-point stability, high reliability, and low power consumption
- Lining and electrode available in various materials which can measure nearly all conductive fluids

Technical Specification

Display	LCM 128*64 pixel backlit type	
Buttons	Four-button operation	
Communication interface	RS-485 (Modbus) (Optional support for HART, PROFIBUS)	
Accuracy	±0.5% of reading@1m/s(0.2% optional)	
Medium temperature	Compact: ≤176 °F (80 °C)	
	Remote mount: ≤248 °F (120 °C) for PTFE: ≤176 °F (80 °C) for Rubber	
Ambient temperature	-40 °F to 158 °F (-40 °C to +70 °C) 1	
Fluid conductivity	> 5 uS/cm	
Measuring scope	0.1m/s ~ 10m/s	
Current output accuracy	0.1% of Pulse Output Accuracy Temperature coefficient (100ppm/BC)	
Current output mode	Proactive	
Output	4 ~ 20mA; pulse/ frequency	
Maximum load of current output	< 750Ω	
Protection rating	IP65 for transducer; IP67 for transmitter	IP68 (Transducer) IP65/ NEMA 4X (Transmitter) 2
Enclosure material	Aluminum alloy	
Input power	AC 86-265V or DC 24V	
Power consumption	< 10W	
Wire inlet specification	M20 x 1.5*2 Female (NPT for others)	
Excitation mode	Pulse DC	
Vibration regulation	IEC 60068-2-3	
EMC regulation	IEC/EN 61326-1 Class A table2	

1 It can't display when LCM is lower than -20°C .

2 Continuous immersion in 6 meters of water for up to 48 hours.



APPLICATIONS

- Waste water treatment Tapped water purification Sewerage
- Sea water desalination module Dyeing machines
- Solar energy and PCB wet processing
- Food manufacturing
- Pharmaceutical machines



Contact us:

GPE INC.

15-17 Libella Cout, Essex County,
Newark, NJ 07105, USA
(P)973-589-8810

Email: marketing@gpeus.com

Website: www.gpeus.com