

Electromagnetic Flowmeter (MF300)

A native and knowledge-based product



Head Office:

Iran, Tehran, North Jamalzadeh Street, No. 355, Unit 2
Contact Numbers: +98 21 6690 5629 and +98 21 6690 5630
WhatsApp: +98 930 860 0685

Factory and Calibration Center:

Jajrood, Kamard Industrial Estate, East sanaat Street, 9th roshan
Street, arastoo Alley, No. 5
Contact Number: +98 21 7626 6189

Technical Specifications

Nominal Size (DN)	20 to 1400 millimeters (3/4 to 56 inches) (Larger sizes are available upon request)
Repeatability and Accuracy	≤0.5% F.S. (Customizable: ±0.25%)
Fluid Conductivity	All conductive fluids with a minimum electrical conductivity of 5μS/cm
Sensitivity to irregularity classes	U5D3
Temperature Class	T60 (in separate mode, dependent on lining material, up to 180 degrees Celsius)
Outputs	4-20mA, RS485 Modbus, Pulse
Power Supply	8 watts, AC: 110-230V (50 Hz frequency), DC: 9-36V
Lining Material	Polyurethane, Teflon, Hard Rubber, Ceramic (according to customer's request)
pipe Material	Stainless Steel 316 or 304 (according to customer's request)
Flange Material	Carbon Steel (Stainless Steel upon customer's request)
Sensor Materials	Platinum, Hastelloy (C-22 and C4), Tantalum, Titanium, SS316



Technical Features

- Suitable for water and wastewater industries, refineries, petrochemical plants, power plants, dams, etc.
- Performance based on standards OIMLR49-1, ISO4064-1, and INSO19191-1
- Protection Class: IP67 for transmitter and IP68 for sensor
- Equipped with 4 sensors for flow measurement, grounding, and pipe empty detection
- Ability to display pipe empty status using warning light
- Display of instantaneous flow rate and total volume
- Capability of installing the display unit in compact or remote mode
- Independent flow measurement regardless of fluid density, temperature, and ambient humidity
- High accuracy in very low flow rates and minimal pressure drop
- No moving parts and extremely high mechanical strength
- Installable in vertical and horizontal positions, measuring flow in both forward and reverse directions
- Equipped with protective circuitry to prevent device damage from voltage and current fluctuations
- Three-layer color coating with a thickness of 300 micrometers (ultramarine blue)