

ELECTROMAGNETIC WATER METER



HMF2100

CHARACTERISTICS

- Low maintenance cost and easy installation.
- Long-lasting performance: No maintenance and repair for 6 years.
- Intelligent information can be output by providing advanced statistical data and diagnostic programs.
- Maximum tolerance of Class 1 meter: 1% in convection area ($Q_2 \leq Q \leq Q_4$)
3% in small area ($Q_1 \leq Q < Q_2$).

SPECIFICATIONS

Item	Specifications
Measuring caliber	25 mm ~ 1,200 mm
Domestic Approval	50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm, 250 mm, 300 mm, 350 mm
Composition	Detection unit: Electronic sensor / Conversion unit: input unit, operation unit, output unit, indicator
Accuracy	Full Scale: 0.2% (65 mm ~ 250 mm: 1st grade / 50 mm, 300 mm, 350 mm: 2nd grade)
Max. Measureable Flow Rate	10 m/s
Display unit and contents	Accumulated flow (m3): 9-digit x 1 (forward, reverse, modification available) Instantaneous flow rate (m3 / h): 4 digits, date, time, alarm (battery life and empty pipe) and data logger
Measurement function	Low flow cut-off: 0 ~ 9 of maximum flow
Measurement frequency	Battery Type : 1/5 Hz / AC Type : 6.25 Hz
Max working pressure	1.0 MPa ~ 1.6 MPa
Input	4 ~ 20 mA pressure gauge signal (Loop Powered Terminal): AC Type
Output	Instantaneous flow rate (4 to 20 mA) 1: AC Type 2 accumulated flow (O.C Pulse): Pulse Load-5 ~ 35 V DC / 50 mA - Common for AC & Battery Type
Liner	Hard Rubber
Electrode	Hastelloy C
Housing/Flange	Carbon Steel
Communication and internal memory	RS 485 MODBUS: AC Type / Internal memory: Date, time, instantaneous flow rate, accumulated flow rate, and pressure Memory interval: 5 seconds ~ 24 hours (1 year storage upon 1 minute interval storage)
Power	Battery Type : 3.6 V DC (Life span 7 years) / AC Type : 110 ~ 220 V AC
Temperature	Ambient temperature: -20 ~ 60 / Storage temperature: -30 ~ 70 (humidity up to 95%)
Protection class	Detection unit: IP 68 / Converter: IP 65

APPLICATIONS

Water industry / Wastewater treatment industry