

Magnetic Flow Liquid Measurement

Measured Success™

High performance magnetic flow meter with customized transmitter for water, wastewater and other utility applications.

Standard reference accuracy of 0.25% of rate. Optional High Accuracy available

Output: Modbus RS-485, 4-20 mA output available as secondary or primary, and pulse output

Simplified one step set up installation



MEASURING PRINCIPLE	Electromagnetic
PRODUCT HEADLINE	The flowmeter for highest medium temperatures with a compact, easily accessible transmitter. Dedicated to oil & gas applications with corrosive liquids and high medium temperatures.
SENSOR FEATURES	Versatile applications – wide variety of wetted materials. Energy-saving flow measurement – no pressure loss due to cross-section constriction. Maintenance-free – no moving parts.
TRANSMITTER FEATURES	Full access to process and diagnostic information – Modbus and other buses. Secondary/Tertiary Pulse and 4-20 mA Output. Easy setup and full functional LOI
NOMINAL DIAMETER RANGE	DN 15 to 600 (½" to 24")
WETTED MATERIALS	Liner: PFA; PTFE; Rubber Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022)
MEASURED VARIABLES	Volume flow, conductivity, mass flow
MAX. MEASURED ERROR	Volume flow (standard): $\pm 0.25\%$ o.r. ± 1 mm/s (0.04 in/s) Volume flow (option): $\pm 0.15\%$ o.r. ± 2 mm/s (0.08 in/s)
MEASURING RANGE	4 dm ³ /min to 9600 m ³ /h (1 gal/min to 44 000 gal/min)
MAX. PROCESS PRESSURE	1440 PSI (320 °F)
MEDIUM TEMPERATURE RANGE	–40 to +160 °C (–40 to +320 °F)
AMBIENT TEMPERATURE RANGE	Flange material carbon steel: –10 to +60 °C (+14 to +140 °F) Flange material stainless steel: –40 to +60 °C (–40 to +140 °F)
SENSOR HOUSING MATERIAL	DN 15 to 600 (½ to 24" AlSi10Mg, coated)
HOUSING MATERIAL	AlSi10Mg, coated; stainless steel ; 1.4409 (CF3M) similar to 316L
DEGREE OF PROTECTION	Standard: IP66/67, Type 4X enclosure

DISPLAY/OPERATION	Multi-line backlit display with touch control Configuration via local display and operating tools possible Remote display available
OUTPUTS	3 outputs: Modbus 4-20 mA (active/passive) Pulse/frequency/switch output (active/passive)
DIGITAL COMMUNICATION	Modbus RS485
POWER SUPPLY	DC 18-30 V AC 100 to 230 V