The compact & cost-effective all-rounder. With IO-Link

FMQ: Permanently precise flow measurement

It has everything you really need

The FMQ electromagnetic flow meter is an extremely versatile, robust and reliable device for all conductive media. The performance spectrum is tailored to almost all applications, including dosing and filling applications.

- **FMQ with IO-Link:** Thanks to Flex-Hybrid technology, you can use digital or analog communication or both in parallel
- **Extremely compact:** Minimal size of measuring body and electronics allow easy, vibration-insensitive integration into almost all applications
- **Extremely robust:** All components are completely made of stainless steel. The magnetic field coils of the measuring system are consistently encapsulated, which guarantees permanently reliable, precise measuring results even in very harsh environments with strong vibrations or pressure surges
- **Extremely reliable:** Completely protected against moisture, corrosion, and vibrations; vacuum-proof measuring tube lining made of high-quality PFA; process temperature up to 100°C (212 °F) **/ 165 °C (329 °F) for remote version**, CIP and pigging possible.
- **Always accurate:** Automatic signal processing ensures correct measured values even when changing media (e.g. milk/CIP cleaner)
- **Easy commissioning and operation:** User-friendly, rotatable display with optical buttons, no opening of the housing, no mechanical buttons, for quick and easy programming
- **Manufacturer-independent process connection:** Standard aseptic flange according to DIN 11864, with O-ring (no sanitary-sensitive surface seal), pipe standard DN10 ...DN100 (1/2"...4")

Technical specifications at a glance

- **IO-Link Technology** with **digital + analog** interface (**IO-Link + 4...20 mA**)
- **Measuring range from 30 l/h to 300 000 l/h (8 gal/hr to 80 000 gal/hr)**
- **Measuring accuracy: ±0,5% ±2mm/s**
- For liquids, mashes and pastes with a **minimum conductivity of > 5 µS/cm**
- **Process temperature up to 100 °C (212 °F) for compact / 165 °C (329 °F) for remote version**
- **CIP-/ SIP-cleaning up to 130 °C (266 °F)** / max. 30 minutes
- Sensor with aseptic flange, many **common process connections** available

Main application area: Food | Material: 1.4404 (AISI 316L)

FMQ Magnetic-Inductive Flow Meter

Nominal diameter/size

010	10 mm
015	15 mm
025	25 mm
032	32 mm
040	40 mm
050	50 mm
065	65 mm
080	80 mm
100	100 mm

Certificate

S	None

Display / Cap

L	Optical LED status display
B	Blind stainless steel cap
D	Graphic display

M12 Connection / Communication

0	M12 connector, pulse output, 4-pin, plastic
K	M12 connector IO-Link (no pulse output), 4-pin, stainless steel
L	M12 connector IO-Link with switch input (no pulse output), 5-pin, stainless steel
S	M12 connector without switch input, 4-pin, stainless steel
M	M12 connector with switch input, 5-pin, stainless steel

Connection

0	Butt-weld
1	ASME clamp
2	DIN clamp

Elastomer

A	EPDM
B	Silicone

FMQ	**010**	**S**	**L**	**0**	**0**	**A**

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