Electromagnetic flowmeter
Smart magmeter for utilities – intuitive · convenient · multivariable

Technical information TI03.18

In brief

Bluetooth

0,5% hohe Genauigkeit

385.2 helle Digital-anzeige

Flüssigkeiten

IO-Link   CE

Application

- Quick offline configuration check – unique, comfortable knock functionality
- Time-saving, easy configuration even in places difficult to reach – secure Bluetooth connection
- Simple device access through its whole lifecycle – no manual needed due to intuitive SmartBlue App
- Instant local process monitoring – large, user-friendly display of all measurement activities
- Flexible integration into all fieldbus systems – plug-and-play device with IO-Link
- Fewer measuring points necessary – simultaneous flow and temperature measurement
- Cost-efficient specialist for use in tight spaces e.g. skids – sensor and transmitter in one housing

Main features

- The bidirectional measuring principle is virtually independent of pressure, density, temperature and viscosity
- Ideal for measurement of conductive liquids in many utility applications across all industries.
- Device properties
- Wireless remote access via Bluetooth SmartBlue App
- IO-Link and various I/Os for all line-sizes
- 1.4" TFT color display with backlight
- High shock and vibration resistance
- Degree of protection: IP65/67
- Empty pipe detection

Description

The Flowcont Magsmall is the economical magmeter for many applications in secondary circuits with conductive liquids in all industries. End customers, skid builders, equipment manufacturers and system integrators value the space-saving Picomag for its flexible installation capabilities. Additionally, its future-oriented, intuitive operation via SmartBlue app on every Bluetooth-enabled smartphone or tablet ensures fast, secure and simple commissioning.

Measuring principle:	Electromagnetic
Sensor features:	Fewer measuring points necessary – simultaneous flow and temperature measurement. Cost-efficient specialist for use in tight spaces e.g. skids – sensor and transmitter in one housing. High shock and vibration resistance. Degree of protection: IP65/67.
Transmitter features:	Time-saving, easy configuration even in places difficult to reach – secure Bluetooth connection. Simple device access through its whole lifecycle – no manual needed due to intuitive SmartBlue App. Instant local process monitoring – large, user-friendly display of all measurement activities. Flexible integration into all fieldbus systems – plug-and-play device with IO-Link. Wireless remote access via Bluetooth SmartBlue App. IO-Link and various I/Os for all line-sizes.
Nominal diameter range:	DN15 to 50 (1/2 to 2")
Wetted materials:	PEEK, Stainless Steel, FKM
Electrodes:	1.4404/316L
Measured variables:	Volume flow, Temperature
Max. measurement error:	Volume flow: +/-2% o.r. +/- 0.5% o.f.s
Measuring range:	up to 750 l/min
Max. process pressure:	16 bar
Medium temperature range:	-10 to 70 °C
Ambient temperature range:	-10 to 60 °C
Sensor housing material:	1.4404/316L, Polycarbonate
Transmitter housing material:	1.4404/316L, Polycarbonate
Degree of protection:	IP 65/67
Display/Operation:	Integrated display, operation via SmartBlue app
Outputs:	Current (4 to 20mA) / Pulse / Switch /Voltage (2 to 10V)
Inputs:	Status
Digital communication:	IO-Link
Power supply:	18 to 30V DC
Product safety:	cULus listing
Hygienic approvals and certificates:	Drinking water approvals in preperation

Order code

Type		
DMA15	25 lpm/7 gpm	0,4 - 25 l/min
DMA20	50 lpm/13 gpm	0,75 - 50 l/min
DMA25	100 lpm/26 gpm	1,2 - 100 l/min
DMA50	750 lpm/198 gpm	5,0 - 750 l/min

Approval
AA Non-hazardous area

Output; Input
A IO-Link/4-20mA/pulse/switch output/ 2-10V; status input, configurable

Sensor; Housing
A PEEK, stainl. steel; stainl. steel

Device Model
A1 1

Flowcont® Magsmall   AA   A   A   A1