INSERTION Magmeter with display

For use with fitting 1/2" to 16"

- Simple to read display
- Easy push button menu
- Clean in place (CIP)
- FDA approved

Please see fitting S020

CLICK ME

FOR DATA SHEET

With a stainless steel insertion finger and high quality electronic display module this unit is perfect for contaminated or aggressive fluids. 4-20 mA and pulse output with optional 3A relays makes this a flexible solution for flow control, batching or CIP control in FDA applications.

Technical Data

Size range	1/2" - 16"
Measuring ranges	0.7 - 33 ft/s
Measuring error (teach in)	≤ ±2% o.R. (3.28-32.81 ft/s)
Measuring error	≤ ±4% o.R. (3.28-32.81 ft/s)
Linearity	≤ ±(1% o.R. + 0.1% o.FS)
Repeatability	±0.25% o.R.
Housing material	PPA
Electrode Material	316L SS
Mag-sensor Material	316L SS (FDA compliant)
O-rings	FKM
Max. Fluid Temperature	230 °F (depending on fitting)
Ambient temperature range	14 °F to 140 °F
Max. fluid pressure	232 PSI (depending on fitting)
Fluid conductivity	> 20 µS (Micro-Siemens)
Voltage supply	18-36 VDC
Current consumption Max.	≤ 300 mA
Electrical Protection	Short circuit and reversed polarity protected
Electrical connections	M20 cable glands (optional 1/2" conduit)
Outputs	4-20 mA Transistor, Max. 100mA, frequency 0...240 Hz Relay output 3 A/250 VAC
Output Load	Max. 1300 Ω at 36 V Max. 700 Ω at 18 V
Ingress protection	IP65

Envelope Dimensions [inch] (see datasheet for details)

	A	B	C
Short	3.46	4.56	7.12
Long	3.46	4.56	8.58
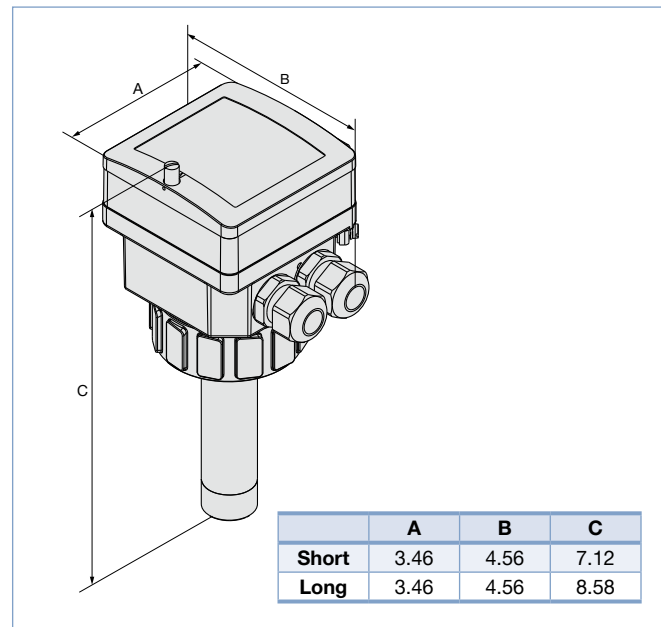
Options

- PVDF finger
- Hastelloy electrodes
- Tri-Clamp connection

Ordering Chart (please order fitting separately)

Voltage supply	Relays	Housing material	Sensor version	Item no.
18...36 V DC	No	PPA	Short, Stainless Steel (FDA)	449670
			Long, Stainless Steel (FDA)	449672
	2		Short, Stainless Steel (FDA)	449671
			Long, Stainless Steel (FDA)	449673

Note: Delivered with 1 set 551 775 and 1 EPDM seal.
To select a complete device the following items need to be ordered:
- Product no. of the desired flow meter for Type 8045
- Product no. of the Type S020 fitting, for gauges with G 2" connector, must be ordered separately