

Blind Insertion Magmeter in PVDF

8041

1/2" to 16", Up to 145 PSI

- Solid state technology
- Direct interface with PLC's
- Range of fitting materials

Please add fitting from page 65

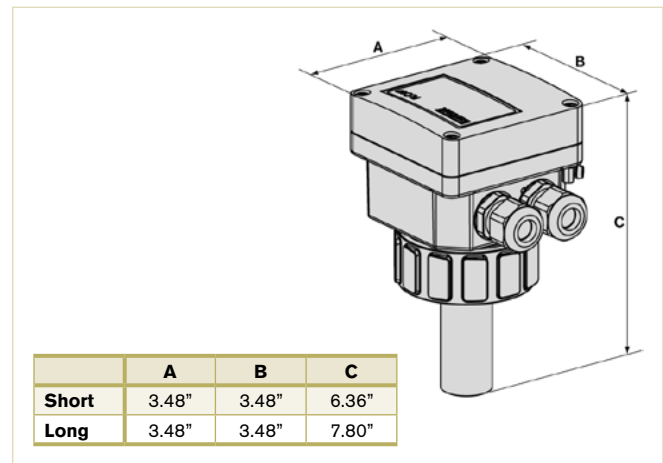


Insertion magmeter constructed from a PVDF finger and high quality blind electronic module. Perfect for contaminated or aggressive fluids it has both 4 to 20 mA and pulse output, with optional 3A relays, making this a flexible solution for flow control or batching

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 (standard k-factor) | ≤ ±4% o.R. (3.28-32.81 ft/s) |
| Linearity | ≤ ±(1% o.R. + 0.1% o.FS) |
| Repeatability | ±0.25% o.R. |
| Housing material | PC+20% glass fibre |
| Electrode Material | 316L SS |
| Mag-sensor Material | PVDF |
| O-rings | FKM |
| Max. Fluid Temperature | 176 °F |
| Ambient temperature range | 14 °F to 140 °F |
| Max. fluid pressure | 145 PSI |
| Fluid conductivity | > 20 µS (Micro-Siemens) |
| Storage temperature | -4 °F to 140 °F |
| Voltage supply | 18...36 VDC |
| Current consumption Max. | ≤ 220 mA |
| Electrical Protection | Short circuit protection Reversed polarity of DC 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. 1100 Ω at 36 V Max. 330 Ω at 18 V |
| Ingress protection | IP65 |

Envelope Dimensions [inch] (see datasheet for details)



Options

- Stainless steel finger for 302 °F and 145 PSI with PPA housing
- FDA approved wetted materials, - Hastelloy C Electrodes

Ordering Chart Transmitter Type 8041

| Output | Relay | Housing material | Gaskets | Sensor version | Electrical connection | Item no. |
|--------------------|-------|------------------|---------|------------------------|-----------------------|----------|
| 4-20 mA, frequency | 1 | PC | FKM | short, PVDF | 2 cable glands | 558 064 |
| | | | | long, PVDF | 2 cable glands | 558 065 |
| | | PPA | FKM | short, stainless steel | 2 cable glands | 552 779 |
| | | | | long, stainless steel | 2 cable glands | 552 780 |

Note: 1 Kit 558 102 and 1 relay connection kit 552 812 are supplied with each transmitter.