



## FEATURES

- DSP technology with adjustable filtering
- Cycle time less than 10 ms
- Advanced diagnostics, data processing, logging
- Excellent repeatability (better than  $\pm 0.05\%$ ), accuracy ( $\pm 0.1\%$ )

## BENEFITS

- ▶ Reliable measurement under challenging conditions
- ▶ Applicable for highly dynamic applications
- ▶ Advanced diagnostics, data processing, logging
- ▶ Increased product quality

## SPECIFICATIONS

Display:	240 x 160 pixels
Supply Voltage:	19.2 ... 28.8 V DC 100 ... 240 V AC
Power Consumption:	7.5 W/15 VA
Interfaces:	[CH1]: HART 7.2 or Profibus PA/DP or Modbus RTU [CH2, CH3, CH4]: Plug-In I/O Card
Housing Material:	Aluminum
Protection Class:	IP65, Option: IP67 NEMA 4X to IEC 529 and DIN 40050 (1 mH <sub>2</sub> O for 30 min.)

## PLUG-IN I/O-CARD

Available Cards:	Optional, three configurable channels Option 1: Signal I/O, Signal I/O, Signal I/O Option 2: Signal I/O, Signal I/O, Relay
Signal I/O:	Configurable universal I/O channels: current output, digital output or digital input
Current Output:	0 ... 20 mA or 4 ... 20 mA (CH1 only 4 ... 20 mA)
Digital Output:	Pulse: 41.6 $\mu$ s ... 5 s pulse duration Frequency: 0 ... 10 kHz Active: 0 ... 24V DC, 110 mA
Digital Input:	15 ... 30 V DC, 2 ... 15 mA
Relay:	Voltage-free contact 30 V AC, 100 mA
Output Value (programmable):	Mass flow, volume flow, total mass, total volume, corrected volume, density, temperature, fraction (flow/mass/%)

## TEMPERATURE

Ambient Temp. Transmitter:	-40 °C ... +60 °C [-40 °F ... +140 °F] (humidity max. 95 %)
Ambient Temp. Display:	-20 °C ... +60 °C [-4 °F ... +140 °F]
Storage and Transport:	-20 °C ... +70 °C [-4 °F ... +158 °F]

## CONNECTIVITY

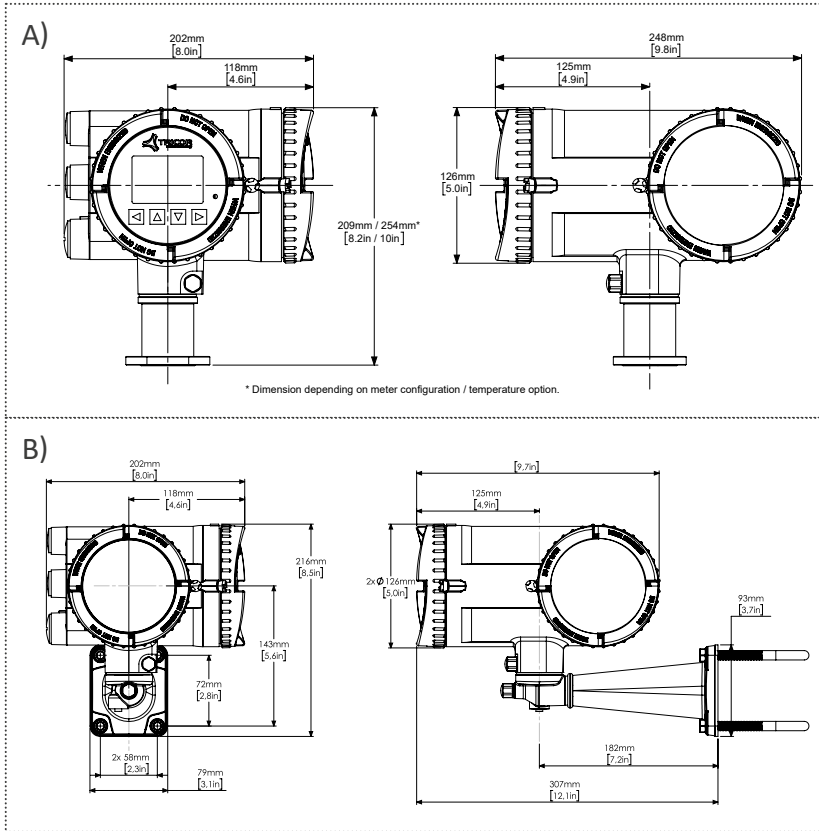
Cable:	Standard industrial signal cable up to 200 m long, 2x screened pairs or 4-wire overall
Cable Gland:	$\frac{1}{2}$ " NPT M20 (on request)



Compact Version



Remote Version (wall mount)



## METER DIMENSIONS AND WEIGHTS

- A) Meter-Mount Electronics  
Weight: 4.5 kg [9.9 lb]
- B) Wall-Mount Electronics  
Weight: 5.6 kg [12.3 lb] with 3 meter cable

## APPROVALS & CERTIFICATIONS

### Hazardous area (Ex)<sup>1)</sup>

ATEX	Zone 1: II (2)1 Ex db ia [ia Ga] IIC T* Gb <sup>2)</sup>
	Zone 2: 3G Ex nR nA IIC T4
IECEX	Ex db ia [ia Ga] IIC T* Gb <sup>2)</sup>
cCSAus	Class 1, Div. 1: Group A - D, T* <sup>2)</sup>

<sup>1)</sup> Version dependent.

<sup>2)</sup> T\* refer to Ex-certificate.

### EMC

EN 55011/CISPR-11 (Class A)
EN/IEC 61236-1 (Industry)

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