



FEATURES

- DSP technology with adjustable filtering
- Future-proof design, modernize in place
- Excellent repeatability ($\pm 0.05\%$), accuracy ($\pm 0.1\%$)
- Advanced diagnostics, data processing, logging

BENEFITS

- Reliable measurement under challenging conditions
- Safe investment with lower lifecycle costs
- Increased product quality
- Optimize control and lifecycle management

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 ₂ 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 Configurable universal I/O channels: current output, digital output or digital input
Signal I/O:	
Current Output:	0 ... 20 mA or 4 ... 20 mA (CH1 only 4 ... 20 mA)
Digital Output:	Pulse: 41.6 μ 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)



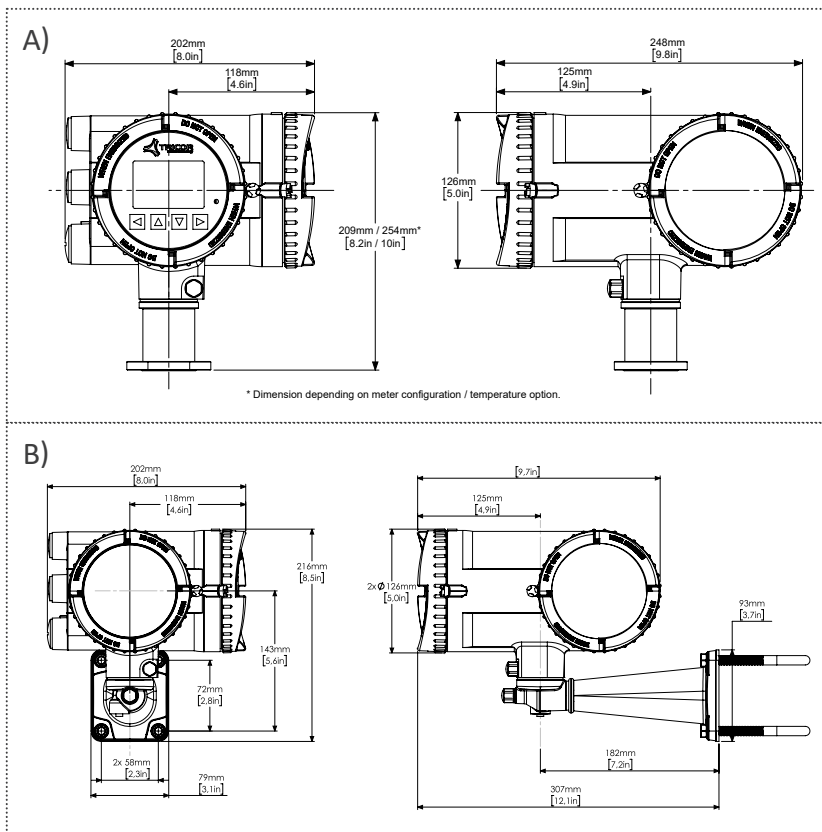
Compact Version



Remote Version (wall mount)



PRO/PRO Plus Series | TCD 9100/9200 Coriolis Transmitter



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)¹⁾

ATEX	Zone 1: Group IIC or IIB, T2...T4
	Zone 2: II 3G Ex nA IIC T2...T4 Gc
IECEx	Zone 1: Group IIC or IIB, T2...T4
cCSAus	Class 1, Division 1: Group A, B, C, D or C, D, T2...T4

¹⁾ Version dependent.

EMC

EN 55011/CISPR-11 (Class A)

EN/IEC 61236-1 (Industry)

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