

TCE8000 Coriolis Transmitter

EXTREME ACCURACY MASS FLOW MEASUREMENT



Specifications	
Performance	
Supply Voltage	24 VDC or 100-240 VAC (version dependent)
Power Consumption	4 W (DC), max. 11W (AC)
Display	Back-lit LCD screen 132 × 32 dot Programmed via front keyboard or TRICOR Configurator (Modbus)
Reverse Polarity Protection	yes
Galvanic Isolation	2,500 VAC
Interfaces	RS485 (Modbus RTU), HART®, Foundation Fieldbus®
Cable Glands	Suitable for 7-13 mm cables Material: Brass/Ni plated (option: 316SS (1.4404 AISI)) Thread: 2 × 1/2" NPT or 2 x M20 × 1.5
Housing Material	Aluminum standard 316L Stainless Steel (1.4404 AISI) optional
Protection Class	IP65 (IP66/IP67 on request)
Ambient Temperature	AC: -40 to 122°F (-40 to 50°C); DC: -40 to 158°F (-40 to 70°C)
Connectivity	Case clamp Terminals
Analog Output	
Current Outputs (2x)	4-20 mA passive
Output Value (programmable)	flow, total mass, total volume, density, temperature
Pulse Output	
Frequency Range	.5 - 10,000 Hz
Output Signal	Active push-pull output for flow rate
Status Input & Output	
Status Output	Push pull programmable (option) in TOTAL mode: 0.5 - 100 Hz
Control Input (programmable)	Standard: 1 input / option: 2 inputs Optional: insulated optical control input
Analog Input (Option)	
Input Type	4-20 mA active for two-wire passive pressure sensor

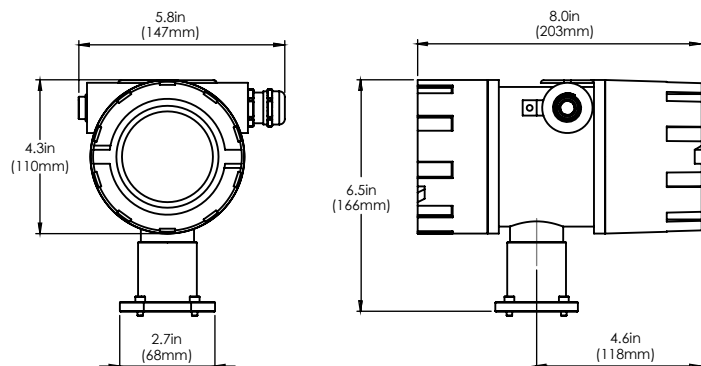
Meter-Mount Model

Aluminum diecast housing:

Weight: 6.1 lb (2.8 kg)

Stainless steel housing:

Weight: 15.8 lb (7.2 kg)



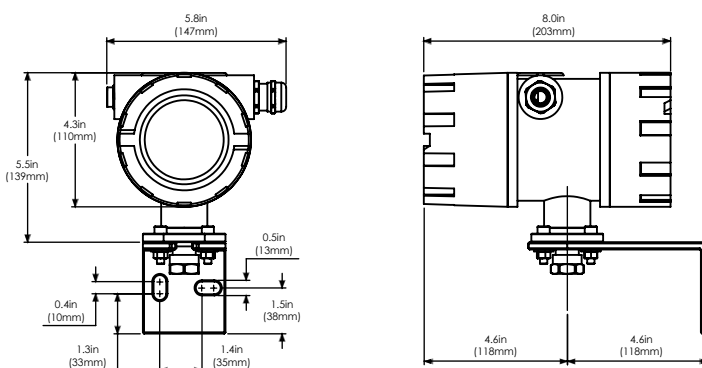
Wall-Mount Model

Aluminum diecast housing:

Weight: 8.4 lb (3.8 kg)

Stainless steel housing:

Weight: 19.4 lb (8.8 kg)



Certifications

CSA*	Compact: Cl. I, Div. 1: Groups C & D: T4 (US, Can) Ex db ia IIC T4 Gb (Can) Cl. I, Zone 1, AEx db ia IIC T4 Gb	ATEX	Zone 1: Compact: II 2G Ex db ia IIC T4 Gb Remote: Sensor: II 1G Ex ia IIC T4...T2 Ga Transmitter: II 2(1)G Ex db [ia Ga] IIC T4 Gb
	Remote: Sensor: Cl. I, Div. 1, Groups C & D: T4...T2 (US, Can) Ex ia IIC T4...T2 Ga (Can) Cl. I, Zone 0, AEx ia IIC T4...T2 Ga (US)		Zone 2 (All): II 3G Ex nA IIC T4 Gc
	Transmitter: Cl. I, Div. 1, Groups C & D: T4 (US, Can) Ex db [ia Ga] IIC T4 Gb (Can)		Compact: Ex db ia IIC T4 Gb Remote: Sensor: Ex ia IIC T4...T2 Ga
			Group IIC or IIB, T2...T4
		EAC (TR-CU)	Compact: Ex d (ai) IIC T4 Remote: Sensor: Ex ia IIC T4

Service

Our dedicated staff offers complete support and recertification for flow meters — whether our own or a competitor's brand. Our calibration services are performed by our trained technicians using the latest testing equipment.

Turbines, Inc. maintains extensive inventories in multiple locations to facilitate rapid, industry leading deliveries.

Worldwide Support

We serve customers globally with offices in Altus, OK; Seneca, SC; Odessa, TX; Cranston, RI; and Edmonton, Alberta, Canada.



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