

1250 Series – Temperature Transmitter

Description

The 1250 series Temperature Transmitter provides a temperature input to an e-Dial™ transmitter to enable temperature compensation for propane tanks. The 1250 Transmitter operates wirelessly and transmits a signal to a companion e-Dial™ on a periodic basis. The transmitter has ½" NPT threads to fasten directly into the temperature port on a tank.

The temperature sensor contains an integrated battery system enabling wireless installation. The companion e-Dial™ receives a temperature measurement from the sensor and integrates that signal to provide temperature compensation on the level measurement of the e-Dial™. The temperature sensor periodically sends a battery voltage along with the temperature.

The threaded portion is constructed from 304 stainless steel. The unit is IP67K rated to enable use in unprotected environments. Thermal grease is recommended on the thermowell during installation.

Application

- Temperature input to e-Dial™ enabling temperature compensation.
- Wireless temperature sensing for other ½" NPT threaded, sealed applications.
- Can be used in multiple fluid types without factory recalibration.



Mechanical Specifications:	
Operating and Storage Temp	-40 °C to +85 °C
Sealing	IP6K7K
Max Tank Pressure	15 psi
Shock	-40°C to 80°C 10 cycles
Tank Opening	½" NPT
Vibration	MIL-STD-810F
Drop	1 Meter
Surface Resistance	-
Chemical Resistance	-
Corrosion Resistance	Salt Spray 5% 48 hours
Corrosive Gas Resistance	-

Materials	
Housing	Valox
Sensor Tube	Stainless Steel

Electrical Specifications:	
Wireless Protocol	Bluetooth Low Energy
EMC/EMI	UN ECE R10 Rev 5
ESD	2 kV HBM

Performance Specifications:	
Accuracy	+/- 1.0 °C
Resolution	0.5 °C
ESD	2 kV HBM

Safety Ratings:	
ATEX	
IECEX	
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