

Sanitary RTD

SANITARY REMOTE DIGITAL THERMOMETER/TRANSMITTER

Reotemp's Sanitary Remote Digital Thermometer/Transmitter is a high accuracy thermometer with digital display. It features an IP67/NEMA 4X enclosure, clean-in-place connection, and a 5 year battery life (Note: 4-20mA models are loop powered 9-36VDC). The Digital Thermometer is perfect for brewing, food, beverage and pharmaceutical applications where a high accuracy digital readout is required. The remote model is well suited for mounting the display away from a high temperature or hard to reach process.

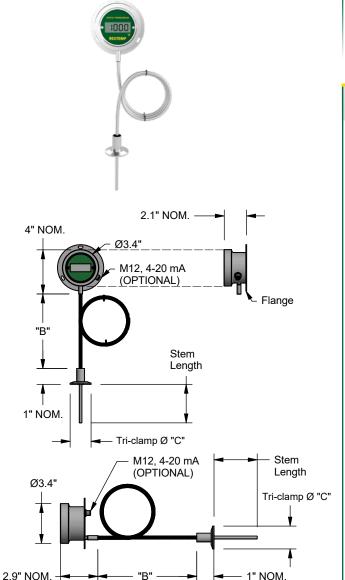


Table 1: Display Resolution				
Model	Range	Decimal Point		
Standard Temp, Displays Decimal	-58°F to 392°F (-50°C to 200°C)	Yes		
Extended Temp, No Decimal	-328°F to 1112°F (-200°C to 600°C)	No		









Certified

Accuracy

acy Custom Logo

m Logo Made in USA

FEATURES / BENEFITS

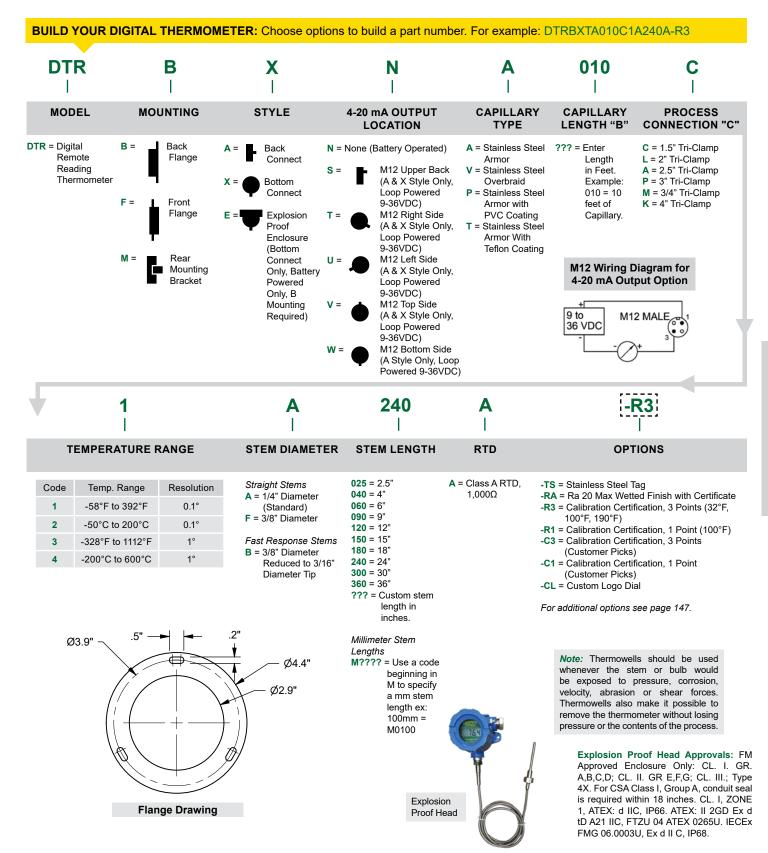
- 3-A Conformance Certificate Included
- High Accuracy 1,000Ω RTD (Class A)
- Water Resistant IP67/NEMA 4X
- 5 Year Battery Life (4-20mA Models are Loop Powered)
- 4-20 mA Output Available (Loop Powered 9-36VDC)

SPECIFICATIONS			
Accuracy	± (0.72 + 0.002 x t-32) °F, ± (0.40 + 0.002 x t) °C, where t = temperature. Example: At 32°F accuracy is ± 0.72 °F.		
Sensing Element	RTD, Type Pt1000 Ω , Class A		
Temperature Ranges	-58°F to 392°F (-50°C to 200°C) or -328°F to 1112°F (-200°C to 600°C)		
Output (Optional)	4-20 mA, M12 Connector, Loop Powered 9-35 VDC		
Refresh Rate	3 Seconds		
Display	4-digit LCD, 1/2" Height		
Display Resolution	See Table 1		
RFI Effect	1% or Less Typical		
Temperature Effect	<0.01% FS/°C		
Ambient Temp. Range	32°F to 122°F (0°C to 50°C)		
Storage Temp. Range	-4°F to 158°F (-20°C to 70°C)		
Housing Material	Stainless Steel 316		
Wetted Finish	Ra 32 Max. / Ra 20 Max.(Optional)		
Lens	Polycarbonate (Standard) or Glass		
Probe Material	316 Stainless Steel		
Weight	12 oz., Varies by Configuration		
Environmental Protection	NEMA 4X/IP67		
Power	1 x 3.6V AA Battery (M12 is loop powered 9-36 VDC.)		
Battery Life	5 Years Minimum in Continuous Mode, (Note: 4-20mA Models are Loop Powered 9-36 VDC, No Battery Option)		
Electronic Display Temperature Limit	If the temperature of the electronics in the display housing exceeds 122°F (50°C), permanent damage to the display will occur. A remote mount is recommended for high temperature applications.		

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Customization



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THERMOCOUPLE & RTD OPTIONS

		Thermocouple	RTD	Digital Thermometers	Handheld Digital	
CERTIFICATION OPTIONS						
-R1	1 Point Calibration Certification, Reotemp Chooses	✓	✓	✓	✓	
-R3	3 Point Calibration Certification, Reotemp Chooses	✓	✓	✓	√	
-C1	1 Point Calibration Certification, Customer Chooses	✓	✓	✓	✓	
-C3	3 Point Calibration Certification, Customer Chooses	✓	✓	✓	✓	
-cc	Certificate of Conformance	✓	✓	✓	✓	
-cs	NIST Calibration Sticker (No Logged Points)	✓	✓	✓	✓	
		OTHER OPTION	IS			
-VB	Hi-Vibration	N/A	✓	✓	✓	
-AC	Hi-Accuracy	N/A	✓	N/A	N/A	
-PS	Pointed Stem	✓	✓	✓	✓	
-TF	Teflon Coating	✓	✓	✓	✓	
-SS	316 SS stem	N/A	STD	✓	✓	
-NL	No Logo	✓	✓	✓	✓	
-HT	Heat Transfer Compound (2 oz)	✓	✓	✓	N/A	
-GL	Plain Glass Lens	N/A	N/A	✓	✓	
-CL	Custom Logo Dial	N/A	N/A	✓	✓	
-BP	Replacement Battery Pack	N/A	N/A	✓	✓	
-WD	White Dial	N/A	N/A	✓	✓	
-AS	Allows to Fit 1-1/4-18 Industrial Thermowell	✓	✓	✓	N/A	
		TAG OPTION				
-TS	Stainless Steel Tag (1-10 Characters)			✓		
-TM	Stainless Steel Tag (11-80 Characters)			✓		
-TP	Paper Tag			✓		

✓	Indicates that the option is available with this model.
N/A	Indicates the option is not available with this model.
STD	Indicates standard options with no additional cost.