

## SANITARY DIGITAL THERMOMETER/TRANSMITTER

REOTEMP's Sanitary 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. The Digital Thermometer is perfect for brewing, food, beverage and pharmaceutical applications where a high accuracy digital readout is required.

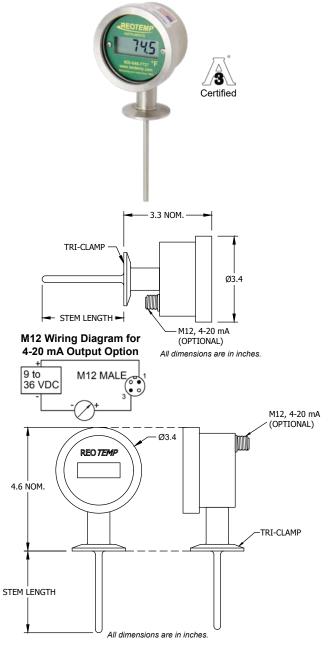


Table 1: Display Resolution				
Model	Range	Decimal Point		
Low Temp, Displays Decimal	-58°F to 392°F (-50C to 200C)	Yes		
High Temp, No Decimal	-328°F to 1112°F (-200°C to 600°C)	No		







Accuracy

**Custom Logo** 

Made in the USA

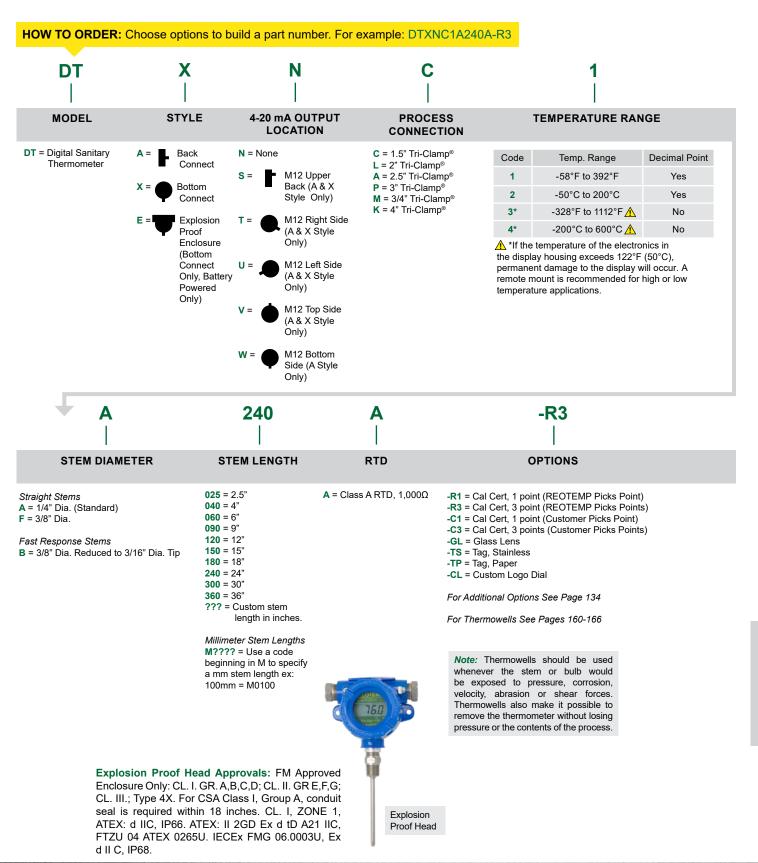
## FEATURES / BENEFITS

- 3-A Conformance Certificate Included
- High Accuracy 1,000Ω RTD (Class A)
- Water Resistant IP67/NEMA 4X
- 5 Year Battery Life
- 4-20 mA Output Available
- Low or High Temperature Range Models

SPECIFICATIONS				
Accuracy	± (0.72 + 0.002 x   t-32   ) °F, ± (0.42 + 0.002 x   t   ) °C, where t = temperature. Example: At 32°F accuracy is ± 0.72 °F.			
Sensing Element	RTD, Type Pt1000 $\Omega$ , 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			
Refresh Rate	3 Seconds			
Display	4-digit LCD, 1/2" Height			
Display Resolution	See Table 1			
RFI Effect	1% or Less Typical			
Temperature Effect	32°F to 122°F (0°C to 50°C)			
Storage Temperature 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	Plastic Polycarbonate (Standard) or Glass			
Probe Material	304 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			
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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## **DIAL INDICATING THERMOMETER OPTIONS**

		Industrial	Small Dial OEM	Digital	Dual Mode Thermometer
Part#	Description	AA, RR, CC, CN, BB, SS, XR, XX, YY, YN, VR, VV, LL, MM, JJ	QQ, GG, HH	DT, DTR, BT	DMT
05		FILL OPTIOI ✓		N1/A	✓
-SF	Silicone Filled Case	S OPTIONS	N/A	N/A	•
-PC	Acrylic Window	✓ · · · · · · · · · · · · · · · · · · ·	<b>√</b>	N/A	✓
-PY	Polycarbonate Window	<b>√</b>	<b>√</b>	STD	<b>✓</b>
-TG	Tempered Safety Glass Lens	<b>√</b>	N/A	N/A	<b>✓</b>
-SG	Laminated Safety Glass Lens	<b>✓</b>	N/A	N/A	✓
-GL	Plain Glass	STD	STD	<b>√</b>	STD
		M OPTIONS			
-PS	Pointed Tip	✓	✓	✓	N/A
-SS	316 Stainless Steel Stem	✓	✓	✓	✓
-F5	5/16" Diameter Stem (Not Available with 316SS Stem)	<b>√</b>	✓	✓	N/A
-S3	3/8" Diameter Stem	✓	✓	✓	✓
-TF	Teflon Coating (Stem Only)	✓	✓	✓	✓
	DIA	L OPTIONS			
-CL	Custom Logo Dial	✓	✓	✓	✓
-HV	Hi-Vis Dial	✓	MQ	N/A	✓
-СВ	Color Band	✓	MQ	N/A	✓
-CP	Color Pie	✓	MQ	N/A	✓
-WD	White Dial (Standard Ranges Only)	✓	✓	✓	✓
-MM	Min/Max Pointer	✓	N/A	N/A	✓
NL	No Logo	✓	✓	✓	✓
	TA	G OPTION			
-TS	Stainless Steel Tag (1-10 Characters)	✓	✓	✓	✓
-TP	Paper Tag	✓ ATION OPT	√ IONE	✓	✓
	1pt. Calibration Certification				,
-R1	(REOTEMP Chooses the Point)	<b>√</b>	<b>√</b>	<b>~</b>	<b>√</b>
-R3	3 pt. Calibration Certification (REOTEMP Chooses the Points)	✓	✓	✓	✓
-C1	1 pt. Calibration Certification (Customer Chooses the Point)	✓	✓	✓	✓
-C3	3 pt. Calibration Certification (Customer Chooses the Points)	✓	✓	✓	<b>~</b>
-cs	NIST Calibration Sticker (No Logged Points)	✓	✓	✓	✓
-cc	Certificate of Conformance	✓	✓	✓	✓
		OTHER			
-3H	316 Stainless Steel Head & Bezel	<b>√</b>	N/A	STD	✓
-HT	Heat Transfer Compound	<b>√</b>	<b>✓</b>	✓	<b>√</b>
-CH	Spring Handle (T-27)	✓	✓	✓	N/A
-AS	Allows Bimet to Fit 1-1/4-18 Industrial Thermowell	✓	✓	✓	✓

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