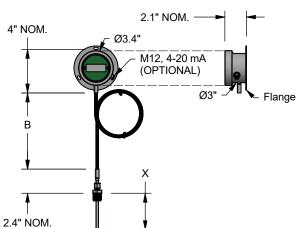
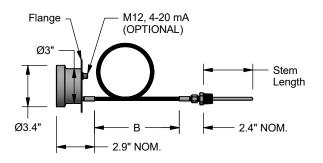


#### REMOTE DIGITAL THERMOMETER/TRANSMITTER

The Reotemp Remote Digital Thermometer/Transmitter is a durable high accuracy thermometer with digital display. It features an IP67/NEMA 4X enclosure, 5 year battery life and optional transmitter output (Note: 4-20mA models are loop powered 9-36VDC). The remote model is well suited for mounting the display away from a high temperature or hard to reach process. The remote digital is an excellent alternative to gas/vapor thermometer offering greater accuracy and lengths.







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







Accuracy

Custom Logo

Made in USA

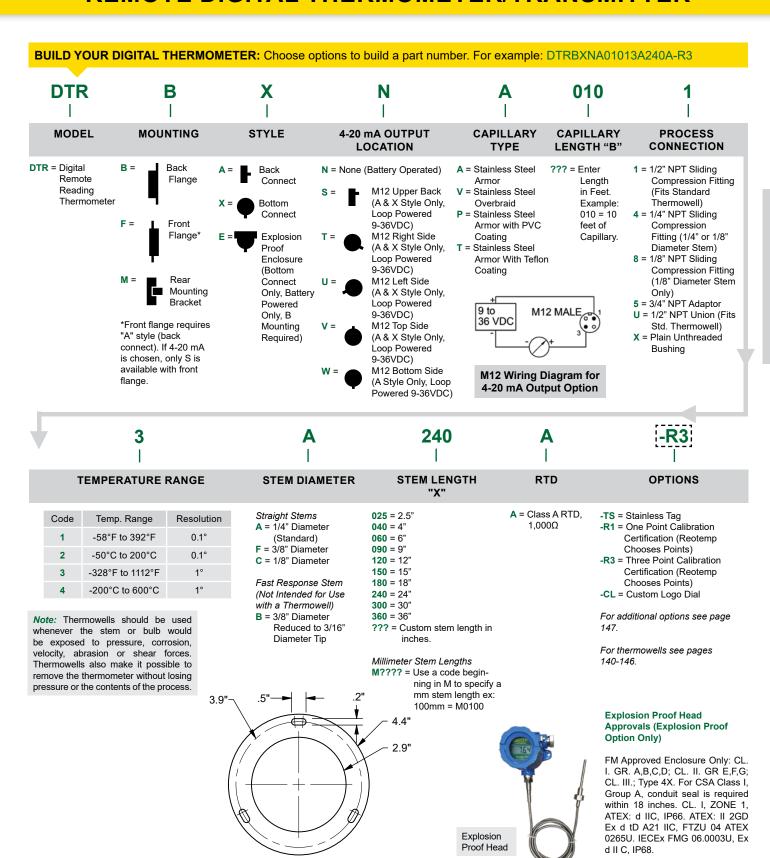
#### **FEATURES / BENEFITS**

- 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)
- Low or High Temperature Range Models

| SPECIFICATIONS                          |  |  |  |
|---|--|--|--|
| Accuracy                                | $\pm$ ( 0.72 + 0.002 x   t-32   ) °F,<br>$\pm$ ( 0.40 + 0.002 x   t   ) °C, where<br>t = temperature. Example: At 32°F<br>accuracy is $\pm$ 0.72 °F.   |  |  |
| Sensing Element                         | RTD, Type Pt1000 $\Omega$ , Class A  |  |  |
| RTD Temperature<br>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<br>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  |  |  |
| 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<br>Mode, (Note: 4-20mA Models are<br>Loop Powered 9-36 VDC, No Battery<br>Option)  |  |  |
| Electronic Display<br>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 or low temperature applications. |  |  |

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### REMOTE DIGITAL THERMOMETER/TRANSMITTER



Flange Drawing

# Customization



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## **THERMOCOUPLE & RTD OPTIONS**

|                       |  | Thermocouple | RTD      | Digital<br>Thermometers | Handheld<br>Digital |  |
|-----------------------|--|--------------|----------|-------------------------|---------------------|--|
| CERTIFICATION OPTIONS |  |              |          |                         |                     |  |
| -R1                   | 1 Point Calibration Certification,<br>Reotemp Chooses  | ✓            | <b>✓</b> | ✓                       | <b>✓</b>            |  |
| -R3                   | 3 Point Calibration Certification,<br>Reotemp Chooses  | ✓            | ✓        | ✓                       | <b>✓</b>            |  |
| -C1                   | 1 Point Calibration Certification,<br>Customer Chooses | ✓            | ✓        | ✓                       | ✓                   |  |
| -C3                   | 3 Point Calibration Certification,<br>Customer Chooses | ✓            | ✓        | <b>✓</b>                | ✓                   |  |
| -cc                   | Certificate of Conformance                             | ✓            | ✓        | ✓                       | ✓                   |  |
| -cs                   | NIST Calibration Sticker (No Logged Points)            | ✓            | ✓        | ✓                       | <b>√</b>            |  |
|                       |  | 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.     |