



## Description & Features:

- A general purpose, tamper-proof, 304 stainless steel thermometer
- Hermetically sealed case
- Bi-metallic sensing element for reliable readings
- Back connected
- Stem length from 2.5" (63mm) and up
- $\pm 1\%$  accuracy
- Anti-parallax dial that reduces operator reading errors
- Lexan® lens
- 5 year warranty

## Applications:

- Heating, ventilation, air conditioning, food processing, wastewater, industrial processes, compressors

| Specifications              |  |
|-----------------------------|--|
| Dial                        | 3" (75mm) dish shaped dial, aluminum with black markings |
| Case/Ring                   | AISI 304 SS  |
| Lens                        | Lexan®, hermetically sealed                              |
| Stem                        | AISI 304 SS  |
| Connection                  | 1/2" NPT, centre back                                    |
| Sensing Element             | Bi-metallic coil   |
| Pointer                     | Aluminum, painted black                                  |
| Welding                     | TIG  |
| Maximum Operating Pressure  | 125 psi (861 kPa)  |
| Operating Temperature       | Recommended maximum 75% of full scale value              |
| Ambient/Process Temperature | Maximum 248°F (120°C)                                    |
| Accuracy                    | $\pm 1\%$  |
| Enclosure Rating            | IP68   |

Note: The use of a thermowell is recommended to protect the thermometer in corrosive or pressure applications, as well as to maintain a closed system during its removal from the process

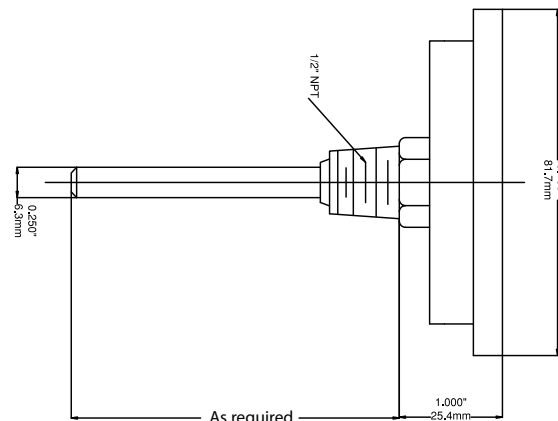
## Order Codes (products in bold are normally in stock)

| Dial and Stem                          | Code            |
|--|-----------------|
| 3" (75 mm) dial with 2.5" (63 mm) stem | <b>TNR33025</b> |
| 3" (75 mm) dial with 4" (100 mm) stem  | <b>TNR33040</b> |
| 3" (75 mm) dial with 6" (150 mm) stem  | <b>TNR33060</b> |
| 3" (75 mm) dial with 9" (225 mm) stem  | TNR33090        |

| Dual Scale Range                  | Code Suffix |
|-----------------------------------|-------------|
| -40°F to 120°F & -40°C to 50°C    | <b>B2</b>   |
| -40°F to 160°F & -40°C to 70°C    | <b>B4</b>   |
| 0°F to 200°F & -20°C to 90°C      | <b>B6</b>   |
| 0°F to 250°F & -20°C to 120°C     | <b>B8</b>   |
| 50°F to 300°F & 10°C to 150°C     | <b>B9</b>   |
| 50°F to 400°F & 10°C to 200°C     | <b>B10</b>  |
| 50°F to 500°F & 10°C to 260°C     | <b>B11</b>  |
| 150°F to 750°F & 100°C to 400°C   | <b>B12</b>  |
| 200°F to 1,000°F & 100°C to 540°C | <b>B13</b>  |

Other ranges and connection sizes available upon request.

(i.e. 3" TNR with 4" (100mm) stem, -40°F to 160°F & -40°C to 70°C = **TNR33040B4**)



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