



### 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
- ±1% accuracy
- Anti-parallax dial that reduces operator reading errors
- Lexan® lens
- Can be used with TSN thermowells
- 5 year warranty

### Applications:

- Food processing and beverage industry

### Specifications

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

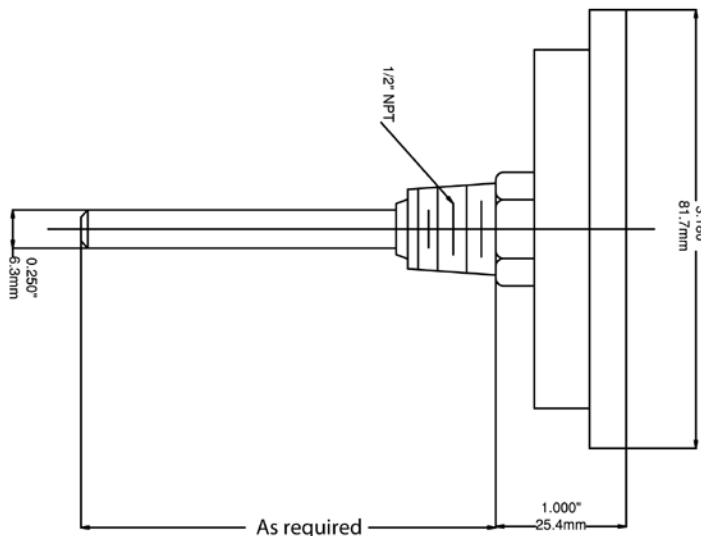
### Order Codes (products in bold are normally stock in North America)

Dial and Stem	Code
3" (75 mm) dial with 2.5" (63mm) stem	<b>TNR33025</b>
3" (75 mm) dial with 4" (100mm) stem	TNR33040
3" (75 mm) dial with 6" (150mm) stem	TNR33060
3" (75 mm) dial with 9" (225mm) 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	B4
0°F to 200°F & -20°C to 90°C	B6
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	B10
50°F to 500°F & 10°C to 260°C	<b>B11</b>
150°F to 750°F & 100°C to 400°C	B12
200°F to 1,000°F & 100°C to 540°C	B13

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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