



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

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

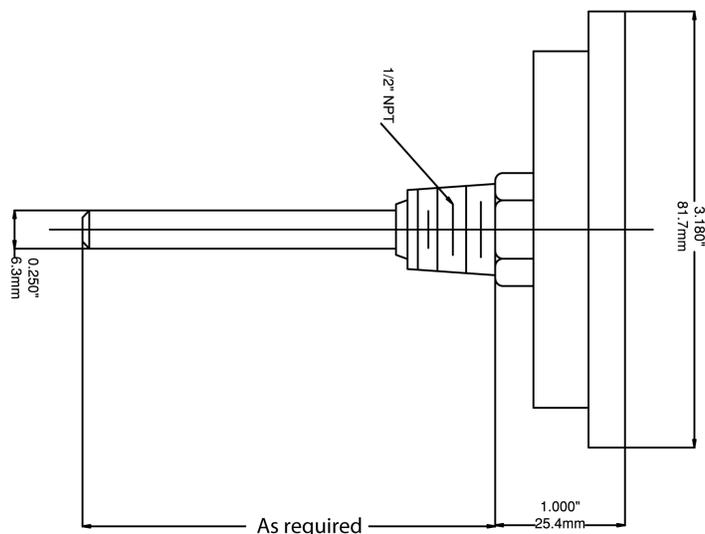
Specifications	
Dial	3" (75mm) dish shaped dial, aluminum with black markings
Case/Ring	AISI 304 SS
Lens	Lexan®, hermetically sealed
Stem	AISI 304 SS
Connection	1/2" NPT, centre back
Sensing Element	Bi-metallic coil
Pointer	Aluminum, painted black
Welding	TIG
Maximum Operating Pressure	125 psi (861 kPa)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

Dial and Stem	Code
3" (75 mm) dial with 2.5" (63mm) stem	TNR33025
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	B2
-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	B8
50°F to 300°F & 10°C to 150°C	B9
50°F to 400°F & 10°C to 200°C	B10
50°F to 500°F & 10°C to 260°C	B11
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**)

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



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