

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
- 1 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	½" NPT, centre back
Movement	Bi-metallic coil
Pointer	Brass, 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	IP65

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

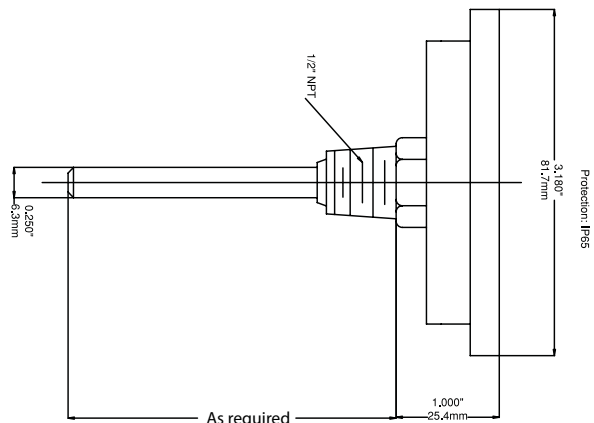
Order Codes (products in bold are normally in stock)

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

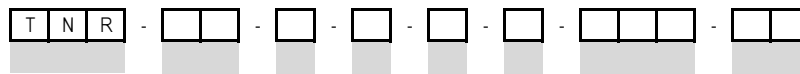
Example: TNR33040 B4

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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



Series Number



SERIES

DIAL SIZE

3.0" (75mm)

CASE MATERIALS

304SS

316SS

CONFIGURATION

Back Connection, Stem Mounting

CONNECTION SIZE

1/4"

3/8"

1/2"

Special

THREAD

NPT

BSP (G)

BSPT (R)

Special

RANGE (DUAL)

-100/150F (-70/70C)

-40/120F (-40/50C)

0/140F (-20/60C)

-40/160F (-40/70C)

25/125F (-5/50C)

0/200F (-20/90C)

20/240F (-5/115C)

0/250F (-20/120C)

50/300F (10/150C)

50/400F (10/200C)

50/500F (10/260C)

150/750F (100/400C)

200/1000F (100/540C)

RANGE (F ONLY)

-40/120

-40/160

0/140

0/200

20/240

0/250

50/300

50/400

50/550

150/750

0/800

200/1000

RANGE (C ONLY)

-80/50

-50/50

0/50

-50/100

0/100

-20/120

0/150

0/200

0/300

0/450

100/550

B 0 1	B 1 4	B 2 6
B 0 2	B 1 5	B 2 7
B 0 3	B 1 6	B 2 8
B 0 4	B 1 7	B 2 9
B 0 5	B 1 8	B 3 0
B 0 6	B 1 9	B 3 1
B 0 7	B 2 0	B 3 2
B 0 8	B 2 1	B 3 3
B 0 9	B 2 2	B 3 4
B 1 0	B 2 3	B 3 5
B 1 1	B 2 4	B 3 6
B 1 2	B 2 5	
B 1 3		

OPTIONS

316L wetted

Fluorolube Filled

Glycerin Filled

Test Certificate

No Options

S C
S R
S E
S O
X X