

# Every Angle Bimetal Thermometers

## Model: TI3

### Applications

- General process instrumentation in the chemical and petrochemical industries, oil and gas industries, pulp & paper, refineries, pharmaceutical/biotech, food and beverage, energy and water/wastewater industries.
- Temperature measurement in harsh and aggressive environments
- Silicone filled for reduction of pointer flutter on high vibration

### Special features

- Maxivision® dial for precise readings (minimize parallax reading errors)
- External adjustment
- Scale ranges from -70 ... +600 °C
- Individual stem length from 63 ... 1,000 mm
- Adjustable stem and dial
- All stainless steel construction

### Description

- |                        |  |
|------------------------|--|
| ■ Accuracy class       | 1.6% - 1.0%  |
| ■ Dial size            | 3"(80mm), 4"(100 mm), 5"(125mm), 6"(160mm)   |
| ■ Case & bayonet bezel | 304 stainless steel (std.) epoxy painted 304 st. steel or 316 stainless steel (option) |
| ■ Measuring element    | Bimetal coil   |
| ■ Process connection   | Every angle, 1/2" NPT, movable, fixed or plain   |
| ■ Stem length          | 63...1000 mm   |
| ■ Stem diameter        | 6mm (std.) 6.4 mm, 8mm, 9.6 mm & 12.7 mm (option)                                      |
| ■ Window               | Glass (std.) plexiglass, Laminated safety glass (option)                               |
| ■ Max. operating press | 360 psi  |
| ■ Max. process temp.   | 115% of the full scale   |
| ■ Dial                 | Aluminium, white, black lettering  |
| ■ Protection           | IP66   |





The liquid filling option is available for use at measuring points with strong vibrations to ensure smooth pointer movement.

**TI 3 Bimetal Thermometers**

ORDERING CODE	Example: TI 3	4	E	0	M	4	AT	120	WA	Note
<b>Dial Size</b>										
3 - 80 mm(3")										
4 - 100mm(4")		4								
5 - 125mm(5")										
6 - 160mm(6")										
<b>Connection Type</b>										
T - Bottom										
B - Back										
E - Every angle			E							
<b>Stem Diameter</b>										
0 - 6.0 mm (standard)				0						
2 - 6.4 mm (1/4")										
4 - 8.0 mm (5/16")										
6 - 9.6 mm (3/8")										
8 - 12.7 mm (1/2")										
C - Customer										
<b>process connection</b>										
F - Fixed										
M - Movable					M					
P - Plain										
C - Customer										
<b>Stem length</b>										
2 - 63 mm										
4 - 100 mm						4				
6 - 150 mm										
8 - 200 mm										
10 - 250 mm										
15 - 300 mm										
20 - 500 mm										
XXX - Please specify the length (mm)										
<b>Accuracy</b>										
AC - 1%										
AT - 1.6%							AT			
<b>Range (°C)</b>										
XXX - Please specify the range								120		
<b>Options</b>										
L F - Liquid fill										
SC - Single scale										
DS - Dual scales										
YW - 316L Stainless steel case										
EP - Epoxy painted case & bezel										
SG - Safety glass										
BT - BSP thread										
CC - Calibration certificate										
NH - Stainless steel tag wired to case										
AT - ATEX										
WA - One year warranty									WA	
WR - Two year warranty										
NC - NACE MR 0175 & MR 0103 standard										
Other										





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