

## 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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