

Gas Filled Capillary thermometer

Model: TC2

Applications

- Monitoring of plants and switching of circuits
- Control and regulation of processes
- For gaseous and liquid aggressive
- Process industry: Chemical/petro chemical, power stations, food and beverage, offshore oil rigs, pulp and paper, environmental technology, machine building and general plant construction

Special features

- According to nace MR 0175 & MR0103 standard
- Stabilizer movement
- Anti-glare & Anti-static window
- Liquid-filled version also available
- Up to 4 switch contacts per instrument
- Scale ranges up to -50...650°C



Description

- **Accuracy class** 1.6, 1% (option)
- **Process connection** Stainless steel 316L back & bottom
NS 100, 160: ½ NPT, BSP (option)
- **Socket & connection** 316L st. steel treated to comply with NACE MR0175&mr0103 standards (option)
- **Window** Laminated safety glass Anti-glare & Anti-static
- **Max. operating press.** 250PSI
- **Case & bayonet bezel** Stainless steel 304, Stainless steel 316
- **Movement** Stainless steel with stabilizer
- **Pointer** Aluminium, black, adjustable pointer
- **Dial** Aluminium, white, black lettering,
- **Capillary length** 1...30m
- **Protection** IP65, IP66
- **Range** -50...650°C
- **Contact Type** Silver-Nickel contacts
See the electric alarm contact types section
- **Contact Rating** Magnetic: 1 A for up to 230 VAC
0.5 A for up to 48 VDC
Inductive: 0.4 A up to 220 VAC
Inductive: 0.4 A up to 220 VAC (op.)

Magnetic Contact

| Code | Version | 1 st Contact | Contact Type | 1 st Contact |
|------|----------|---|--------------|-------------------------|
| M0 | magnetic | NO | | |
| M2 | magnetic | NC | | |
| M4 | magnetic | Special single change over contact (SPDT) | | |
| M6 | magnetic | NO | | NO |
| M8 | magnetic | NO | | NC |
| M10 | magnetic | NC | | NO |
| M12 | magnetic | NC | | NC |
| M14 | magnetic | Special single change over contact (SPDT) | | |

Inductive Contact

| Code | Version | 1 st Contact | Contact Type | 1 st Contact |
|------|-----------|-------------------------|--------------|-------------------------|
| I1 | inductive | NO | | |
| I3 | inductive | NC | | |
| I5 | inductive | NO | | NO |
| I7 | inductive | NO | | NC |
| I9 | inductive | NC | | NO |
| I11 | inductive | NC | | NC |





TC2 Contact Thermometer

| ORDERING CODE | Example: TC 2 | 4 | T | 2 | 4 | 4 | M | AC | 120 | 5 | WA | Note |
|--|---------------|---|---|---|---|---|---|----|-----|---|----|------|
| Dial Size | | | | | | | | | | | | |
| 2 - 63 mm (2 1/2") | | | | | | | | | | | | |
| 4 - 100mm (4") | | 4 | | | | | | | | | | |
| 5 - 125mm (5") | | | | | | | | | | | | |
| 6 - 160mm (6") | | | | | | | | | | | | |
| Connection Type | | | | | | | | | | | | |
| T - Bottom | | | T | | | | | | | | | |
| B - Back | | | | | | | | | | | | |
| process connection size | | | | | | | | | | | | |
| 2 - 1/4 NPT Dial 63 Male 1/2 NPT Male NS100,160 Dial | | | | 2 | | | | | | | | |
| 4 - G 1/4 Male Dial 63 G 1/2 Male NS100,160 Dial | | | | | | | | | | | | |
| 6 - Customer | | | | | | | | | | | | |
| Stem Diameter | | | | | | | | | | | | |
| 0 - 6.0 mm (standard) | | | | | | | | | | | | |
| 2 - 6.4 mm (1/4") | | | | | | | | | | | | |
| 4 - 8.0 mm (5/16") | | | | | 4 | | | | | | | |
| 6 - 9.6 mm (3/8") | | | | | | | | | | | | |
| 8 - 12.7 mm (1/2") | | | | | | | | | | | | |
| C - Customer | | | | | | | | | | | | |
| Stem length | | | | | | | | | | | | |
| 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) | | | | | | | | | | | | |
| process connection | | | | | | | | | | | | |
| F - Fixed | | | | | | | | | | | | |
| M - Movable | | | | | | | M | | | | | |
| P - Plain | | | | | | | | | | | | |
| C - Customer | | | | | | | | | | | | |
| Accuracy | | | | | | | | | | | | |
| AC - 1% | | | | | | | | AC | | | | |
| AT - 1.6% | | | | | | | | | | | | |
| Range (°C) | | | | | | | | | | | | |
| XXX - Please specify the range | | | | | | | | | 120 | | | |
| Capillary length | | | | | | | | | | | | |
| XX - Please specify the meter(1...30m) | | | | | | | | | | 5 | | |
| Options | | | | | | | | | | | | |
| LF - 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 | | | | | | | | | | | | |





Address: 7191 Yonge street, Toronto, Canada

Tel: +16472221281(5 line)

Web: www.madecotech.com

Email: Info@madecotech.com