

# Bimetal Capillary thermometer

## Model: TC3

### 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

- 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
- **Window** glass, Laminated safety glass
- **Max. operating press.** 250PSI
- **Case & bayonet bezel** Stainless steel 304, Stainless steel 316
- **Movement** Stainless steel
- **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 <sup>st</sup> Contact	Contact Type	1 <sup>st</sup> 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 <sup>st</sup> Contact	Contact Type	1 <sup>st</sup> Contact
I1	inductive	NO		
I3	inductive	NC		
I5	inductive	NO		NO
I7	inductive	NO		NC
I9	inductive	NC		NO
I11	inductive	NC		NC



**TC3 Capillary Thermometer**

ORDERING CODE	Example: TC3	4	T	2	4	4	M	AC	120	5	WA	Note
<b>Dial Size</b>												
2 - 63 mm (2 1/2")												
4 - 100mm (4")		4										
5 - 125mm (5")												
6 - 160mm (6")												
<b>Connection Type</b>												
T - Bottom			T									
B - Back												
<b>process connection size</b>												
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												
<b>Stem Diameter</b>												
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												
<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>process connection</b>												
F - Fixed												
M - Movable							M					
P - Plain												
C - Customer												
<b>Accuracy</b>												
AC - 1%								AC				
AT - 1.6%												
<b>Range (°C)</b>												
XXX - Please specify the range									120			
<b>Capillary length</b>												
XX - Please specify the meter(1...30m)										5		
<b>Options</b>												
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												





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