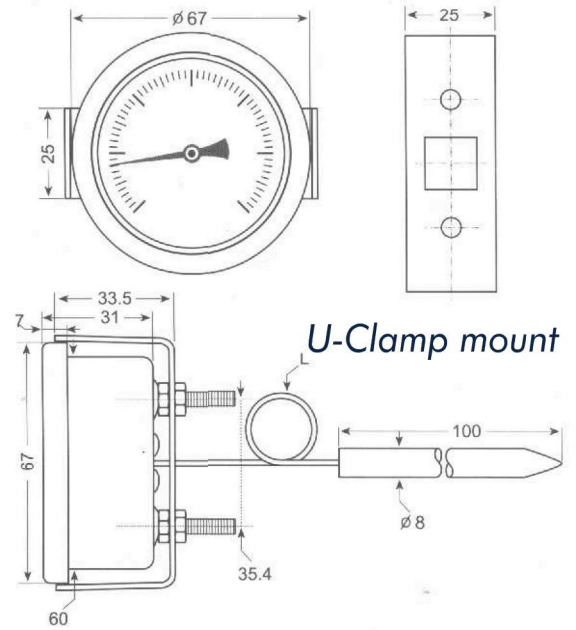




Features

- Accuracy Class 2.5
- Remote reading stainless steel capillary
- Designed U-Clamp and Panel mounting
- Temperature range up to 600°C (1100 °F)
- Dial in single or dual unit ranges (°F & °C)
- Bulb standard length 100 mm, dia. 8 mm
- Application : HVAC, apparatus or food industries

Technical Dimension



Technical Specification Design Material

- | | |
|--|--|
| <ul style="list-style-type: none"> • Nominal Size
2½" or 67 mm • Accuracy Class
Class 2.5 • Ingress Protection
IP 54 • Temperature Scale Range
-40°..+600 °C (-40°..+1100 °F) • Bezel Ring Type
Crimped fastening type • Dial Graduation
Standard in dual ranges °F and °C | <ul style="list-style-type: none"> • Casing and Bezel Ring
Stainless steel 304 • Probe / Bulb Sensor
Stainless steel 304 • Movement
Brass • Window
Plain instrument glass • Pointer
Black painted aluminum • Dial plate
Aluminum alloy |
|--|--|

Ordering Code

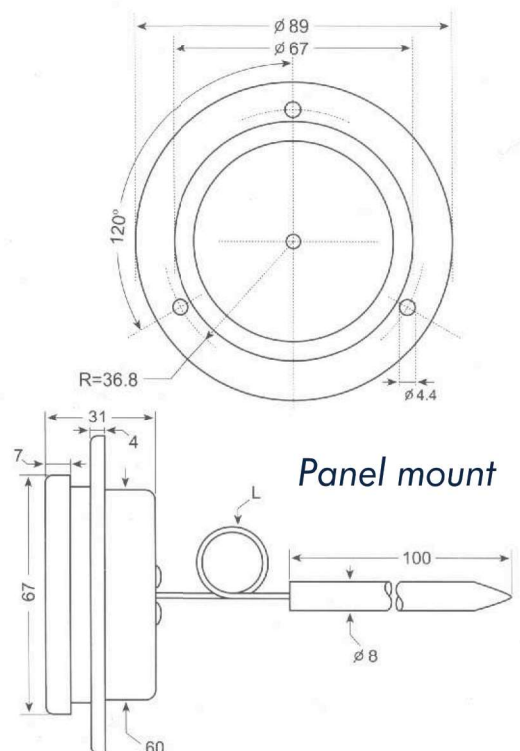
TC250 <Temperature range> ^① Mounting ^② Capillary ^③

Model	Dial size
TC250	2½" / 67 mm

① Temperature range (in single or dual)	
°F	°C
-40° .. +140°	-40° .. +60°
-40° .. +180°	-40° .. +80°
-32° .. +140°	0 .. 60°
-32° .. +210°	0 .. 100°
-32° .. +250°	0 .. 120°
-32° .. +300°	0 .. 150°
-32° .. +390°	0 .. 200°
-32° .. +570°	0 .. 300°
-32° .. +750°	0 .. 400°
-32° .. +930°	0 .. 500°
-32° .. +1100°	0 .. 600°

②	Filling
P	Panel mounting
U	U-Clamp mounting

③	Capillary
1	1 meter
2	2 meters
3	3 meters



Stainless Steel Gas Expansion Capillary Thermometer **TC Series**

Application

TC Series is a gas expansion thermometer, with all stainless steel construction and wetted part. With high temperature measurement up to 650 °C, suitable for corrosive environment in chemical industrial, processing, machinery, piping, building construction and various industries. Liquid fillable for extreme vibration application. TC Series area designed mostly pipe and tank application, where corrosive and remote function is concern.

Features

- Accuracy Class 1.6
- Gas filled measurement system
- All stainless steel material design
- Armored protection capillary with swivel ring
- Temperature range up to 650°C (1200 °F)
- Sliding connection/Compression fitting standard
- Standard dial dual unit ranges (°F & °C)
- Sensor diameter 8 (standard), 10 or 12 mm
- Optional liquid filled for vibration application



Technical Specification

- Nominal Size
3", 4" and 6" (80, 100 and 150mm)
- Accuracy Class
Class 1.6
- Ingress Protection
IP 65
- Connection Size
Sliding connection standard
Size G $\frac{1}{4}$ ", G $\frac{1}{2}$ " or NPT
- Temperature Scale Rang
-40° .. +650 °C (-120° .. +1200 °F)
- Mounting
Bottom, back, wall or panel mount
- Sensing Element
Gas filled measuring system
- Filling
Dry, but fillable Glycerine/Silicone oil
- Maximum Pressure On Stem
Maximum 25 Bar
- Bezel Ring Type
Hermetically sealed fastening type
- Dial Graduation
Standard in dual ranges °F and °C, red and black
Single range F or C, black on white background



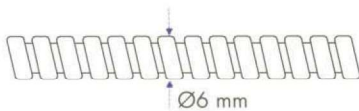
Design Material

- Casing, Bezel Ring & capillary
Stainless steel 304
- Probe / Bulb Sensor
Stainless steel 316
- Connection
SS 304, sliding connection standard,
or Union rotatable connection
- Window
Plain instrument glass
- Pointer
Black painted aluminium
- Dial Plate
Aluminium alloy, bowl cupped type

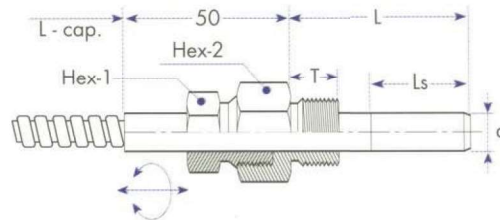


Sensor and Capillary

- Capillary standard
Capillary tube Ss316 with SS armored protection.



- Design Sensor
Standard direct straight tube / sensor, SS304, *Option SS316
Sliding connection (Compression fitting) standard



Ordering Code



TCDial^① <Temperature range>^② Mounting^③ - Sensor L^④ - Connection^⑤ - Capillary^⑥ - Filling^⑦ *Option^⑧

①	Dial size
300	3" / 80 mm
500	4" / 100 mm
750	6" / 150 mm

② Temperature range (in dual°)	
°F	°C
-40° .. +140°	-40° .. +60°
-40° .. +180°	-40° .. +80°
+32° .. +140°	0 .. 60°
+32° .. +210°	0 .. 100°
+32° .. +250°	0 .. 120°
+32° .. +300°	0 .. 150°
+32° .. +390°	0 .. 200°
+32° .. +570°	0 .. 300°
+32° .. +750°	0 .. 400°
+32° .. +930°	0 .. 500°
+32° .. +1100°	0 .. 600°
+120° .. +1200°	-50° .. 650°

③	Mounting
D	Direct mounting
B	Center back connection
W	Bottom mount, back flange (Wall)
P	Back mount, front flange (Panel)

④	Stem Length in Inch (mm)
	Sensor length 2.5" (60mm) .. 24" (600 mm)

⑤	Connection size
G2	G $\frac{1}{2}$ "
N2	$\frac{1}{2}$ " NPT

⑥	Capillary Length
NO	No capillary or Direct mount
01	1 meter
02	2 meters
05	3 meters
XX	Specify length (Max. 6 mtrs)

⑦	Filling
D	Dry
G	Glycerine filled
S	Silicone oil filled

⑧	Option
SS	Ss36 sliding conn
FC	fixed rotatable connection type
10	10 mm stem diameter
12	12 mm stem diameter

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