TG Series

Fillable Stainless Steel Bimetal Thermometer

Features

- Bottom, back and Everyangle mounting
- DIN style case and bezel design
- Accuracy Class 1.6, *Class 1.0
- Quick response, high stability and accuracy
- External micro adjustment device at back case
- All stainless steel material construction
- Weather tight with IP65 protection
- Temperature range up to 600ºC (1100ºF)
- Sliding connection standard
- Standard dial dual unit ranges (ºF & ºC)
- Sensor length up to 1000 mm
- Sensor Ø 6 mm (standard), 6.3, 8 or 10 mm

Application

TG Series is a special design bimetal thermometer with high quality bimetal. The case design with filling function knob and full Stainless steel for extreme vibration and corrosive application. A micrometer adjustment knob located at back case for easy field calibration setting Applicable for most widely used in industrial, power plant, oil&gas, petrochemical, cement, pulp and paper and processing unit where vibration and corrossion is concern.

Technical Specification

- Nominal Size
  2½", 3", 4", 5" or 6"
- Accuracy Class
  Class 1.0 to EN 13190
- Ingress Protection
  IP 65 (Weather tight)
- Connection type
  Sliding connection standard
  Conn. size ½"NPT, G½" or NPT
- Temperature Scale Range
  -40°..+600°C (-40°..+1100°F)
- Sensing Element
  Coiled bimetal sensing
- Filling
  Liquid fillable, at back case
- Operating Temperature
  Ambient temperature -50°.. +120°C
- Maximum Pressure
  Maximum 25 Bar on stem
- Bezel Ring Type
  Hermetically sealed fastening type
  External calibration device on back case
- Dial Graduation
  Standard in dual ranges °F and °C
  Optional Custom dial design
- Sensor Diameter
  Standard 6 mm
  *Optional 6.3, 8 and 10 mm

Material

- Casing and Bezel Ring
  SS 304 or SS 316 hermetically sealed
- Probe / Bulb Sensor
  Stainless steel 316
- Connection
  Stainless steel 316, sliding connection
- Window
  Tempered glass or Safety glass
- Pointer
  Black painted aluminium
- Dial Plate
  Aluminium alloy

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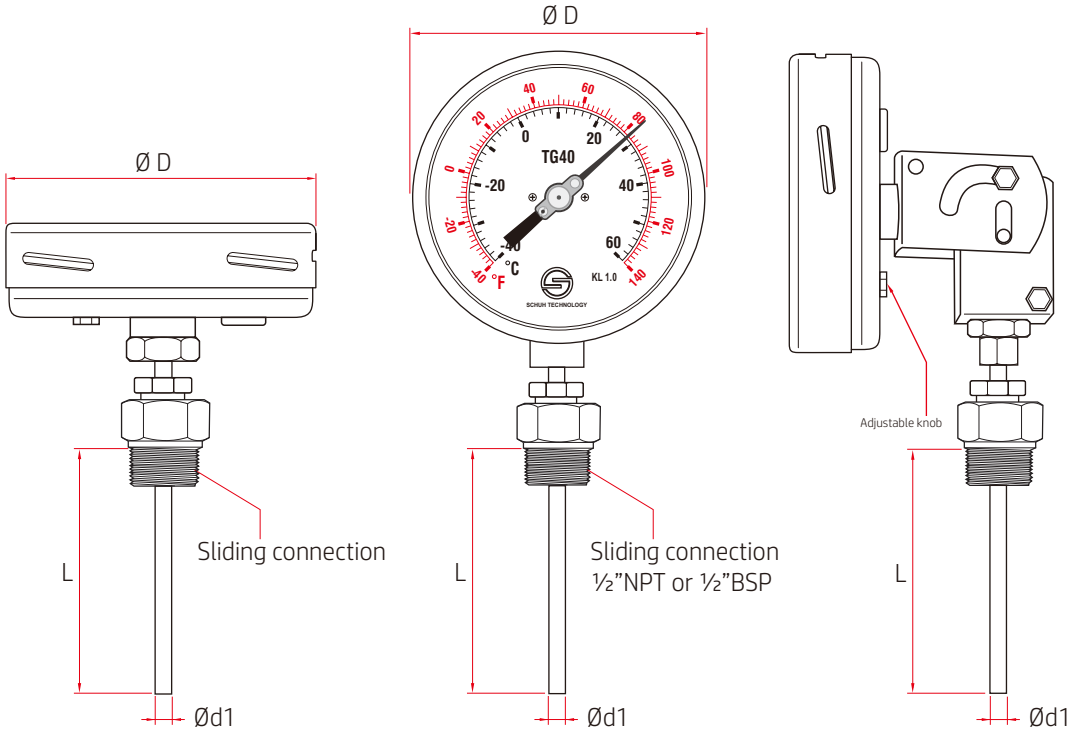
Technical Dimension



Ordering Code

TG①<Temperature range>② Mounting③ Stem L④ Conn Size⑤ Filling⑥ *Option⑦

①	Model and mount
25	63 mm / 2½"
30	75 mm / 3"
40	100 mm / 4"
50	125 mm / 5"
60	150 mm / 6"

② Temperature Range (Dual ranges standard)	
°C	°F
-40° .. +60°	-40° .. +140°
-40° .. +80°	-40° .. +180°
0.. 60°	+32° .. +140°
0.. 100°	+32° .. +210°
0.. 120°	+32° .. +250°
0.. 150°	+32° .. +300°
0.. 200°	+32° .. +390°
0.. 300°	+32° .. +570°
0.. 400°	+32° .. +750°
0.. 500°	+32° .. +930°
0.. 600°	+32° .. +1100°

③	Mounting
D	Bottom connection
B	Center back connection
E	Everyangle connection

④	Stem Length in Inch (mm)
Sensor length 2.5" (60mm) .. 40" (1000 mm)	

⑤	Connection Size
N2	½"NPT (Standard)
G2	½"BSP
G4	¼"BSP
N4	¼"NPT
G3	¾"BSP
N3	¾"NPT
G1	1"BSP
M2	M20x1.5

⑥	Filling
D	Dry
G	Glycerine filled
S	Silicone oil filled

⑦	Option
CD	Custom dial layout
FC	Fixed connection
63	6.3 mm stem diameter
08	8 mm stem diameter
10	10 mm stem diameter
CS	Case material SS 316

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