



Dial Thermometers - TE 100

- Bi-Metals are made of two different metal sheet layers and a spiral form is given, as the metals expansion rates differ from each other, due to these factors it spins upwards around its axis by heat. By a transmission wire this movement it is transmitted to the pointer.
- Used where higher accuracy needed.
- Used with gas and liquids which do not attack stainless steel 316L.

Industry Sector: Petro-chemical plants, Machinery Manufacturing, Heating, ventilation, & conditioning (HVAC) and vessel manufacturers



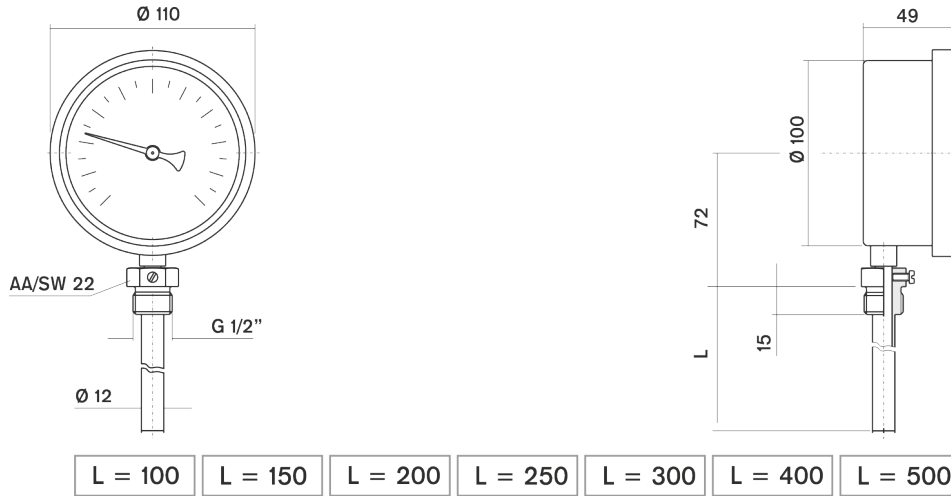
Usage Properties

Conformity	· EN 13190
Accuracy Class	· CL 2.0
Protection Rate	· IP 51
Storage Temperature	· -40 ... +70 °C

Constructive Properties

Mounting Type	· Bottom Connection
Scale Unit	· °C
Scale Range (T)	· -30/+60°C · 0/+60°C · 0/+120°C · 0/+160°C · · · 0/+300°C · 0/+350°C · 0/+400°C · 0/+500°C
Case	· Steel
Bezel	· Steel
Window	· Glass
Connection	· G 1/2" B
Dial	· Aluminum
Pointer	· ≤ 160 °C Plastic · ≥ 200 °C Aluminum
Temperature Element	· Bi-metal
Bi-Metal Stem	· Brass
Thermowell	· Stainless Steel AISI-316
Immersion Length	· 100mm · 150mm · 200mm · 250mm · 300mm · 400mm · 500mm

Technical Drawings - TE 100



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