


# Dial thermometer with capillary in PVC coated stainless steel

Reliable tools that withstand extreme working conditions: engine vibration, humidity and aggressive media such as seawater.

Especially designed to measure temperatures remotely.

## Application:

- **Chemical Industry**
- **Oil industry**
- **Food**
- **HVAC**
- **Cooling**

## STANDARD PARAMETERS

Mounting: See attached diagram **C**

Closing: Bayonet. Sealed by rubber gasket

IP protection: IP56

Accuracy: Class 1.6

Temperature limits:

- Room temperature: -40+60°C
- Fluid overtemperature: maximum 10% end of scale
- Max. pressure on stem: 25 bar.

Temperature range: -60+40°C

Sensor element: Bourdon tube (Inert gas expansion). Room temperature compensator by bimetallic strip

Capillary length (L): **3; 5; 8** m

Stem length (P): 100 mm

Process connection: **Plain Bulb, Sliding on the stem** or **crazy nut**

Threaded connection: **½"BSP, ½"BSPT, ½"NPT, ⅜"BSP, ¾"BSP, M20x150** or **M22x150**

Overtemperature relief system: Upper plug

## MATERIALS

Case and ring: AISI 304 Stainless steel

Moving parts and bourdon tube: Copper alloy

Capillary: AISI 304 Stainless steel

Display: Glass

Dial: White lacquered aluminum

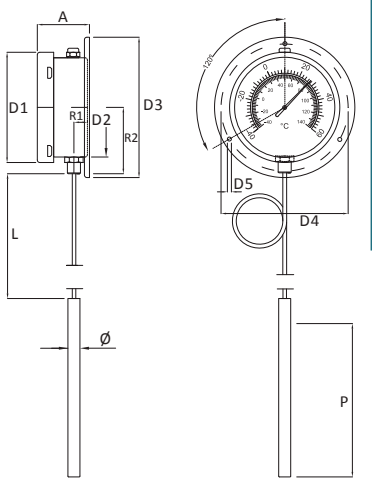
Pointer: Black lacquered aluminum

Capillary coating: PVC

Bulb/Stem: AISI 304 Stainless steel

Threaded connection: **AISI 304 Stainless steel** or **Brass**

**C** Bottom with back flange




### Temperature scale

| Scale printed on the dial (°C) | Working range (°C) | Subdivision °C/line | Maximum error |
|---|---|---|---|
| +50+650 | +100+600 | 10 | 10 |

### DIMENSIONS (mm) / WEIGHT (g)

| DN | Mounting | A | Ø | R1 | R2 | D1 | D2 | D3 | D4 | D5 | L=3m | L=5m | L=8m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø100 | C | 41 | 8 | 14 | 67 | 110 | 100 | 140 | 124 | 4 | 448 | 483 | 542 |