

Dial thermometer with plastic case and copper capillary



Gas expansion thermometers with Bourdon elastic element and an environmental temperature compensator through bimetallic strip.

These simple instruments are especially designed to measure temperatures remotely in cooling and refrigeration chambers.

STANDARD PARAMETERS

Design: **EN 13190**

Mounting: See attached diagram **B**

Closing: Bayonet. Sealed by rubber gasket

IP protection: IP43

Accuracy: Class 2.5

Temperature range: **-40+40** or **0+120**°C

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

Capillary length: 1m

Stem dimensions (L x Ø): 30 x Ø6mm

Process connection: Plain bulb

MATERIALS

Case and ring: Polyethylene

Moving parts and bourdon tube: Copper alloy

Bulb/stem: Copper alloy

Display: Polyethylene

Dial: Polyethylene

Pointer: Polyethylene

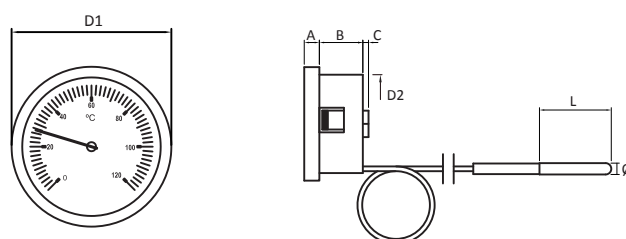
Capillary coating: PVC

Stem: Copper alloy

Application:

- Chemical Industry
- Food
- HVAC
- Cooling

B Back



DIMENSIONS (mm)									WEIGHT (g)	Temperature scale according to DIN 16206			
DN	Mounting	A	Ø	B	C	D1	D2	L		Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
Ø50	C	8	6	23	3	58	52	30	57	-40+40	-30+30	1	2
										0+120	+20+100	2	3

How to order

1. Case diameter	2. Temperature range (°C)	3. Mounting	4. Stem length (mm)
Ø50	-40+40 0+120	B	30
5. Process connection	6. Calibration certificate traceable to ENAC		
Plain bulb	3 points 4 points 5 points 6 points 7 points Without certificate		

D33 -	1	2	3	4	5	6

