



Gas expansion thermometers manufactured according to **EN 13190** standard
Reliable tools that withstand extreme working conditions: engine vibration, humidity and aggressive media such as seawater.

Especially designed to measure temperatures remotely.

STANDARD PARAMETERS

Design: **EN 13190**.

Mounting: See attached diagram **C**

Closing: Bayonet. Sealed by rubber gasket

IP protection: IP56 (**EN 60529**)

Accuracy: Class 1.6

Temperature limits:

Room temperature: -40+60°C

Fluid overtemperature: maximum 10% end of scale

Max. pressure on stem: 25 bar. For upper pressures see C0301

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: $\frac{1}{2}$ "BSP, $\frac{1}{2}$ "BSPT, $\frac{1}{2}$ "NPT, $\frac{3}{8}$ "BSP, $\frac{3}{4}$ "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

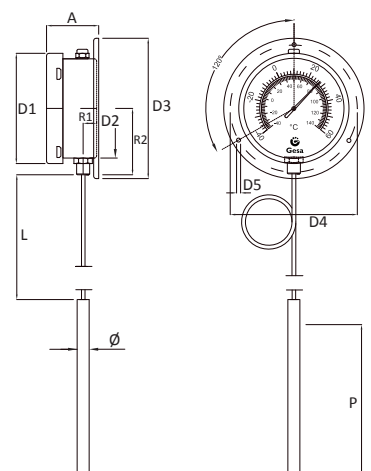
Bulb/Stem: AISI 304 Stainless steel

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

Application:

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

C Bottom with back flange



DIMENSIONS (mm)											WEIGHT (g)			Temperature scale according to DIN 16206			
DN	Mounting	A	Ø	R1	R2	D1	D2	D3	D4	D5	L=3m	L=5m	L=8m	Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
Ø100	C	41	8	14	67	110	100	140	124	4	448	483	542	+50+650	+100+600	10	10

How to order

1. Temperature range (°C)				2. Stem length (mm)		3. Process connection		4. Threaded connection			
0+120	0+200	0+400	+50+650	150	250	Crazy nut		$\frac{1}{2}$ "BSP	$\frac{3}{8}$ "BSP	M20x150	M22x150
						Sliding on stem		$\frac{1}{2}$ "NPT	$\frac{3}{4}$ "BSP	$\frac{1}{2}$ "BSPT	More on demand
						Plain bulb					
5. Connection type		6. Connection material		7. Calibration certificate traceable to ENAC							
Male		Brass		3 points	6 points						
Female		AISI 304 Stainless steel		4 points	7 points						
				5 points	Without certificate						

1	2	3	4	5	6	7
D32 -						

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