

D 31

Dial thermometer with capillary in stainless steel



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.
 Bottom connection to panel through back flange.

Especially designed for remotely measuring temperatures in chemical, petroleum
 and food industries.



Application:

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

STANDARD PARAMETERS

Design: **EN 13190**

Mounting: See attached diagram **C**

Closing: Bayonet. Sealed by rubber gasket

IP protection: IP65 (**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: **0+120; 0+200; 0+400; +50+650 °C/°F**

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

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

Stem length (P): **150; 250 mm**

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

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

Antivibration liquid: **Glycerine or dry**

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

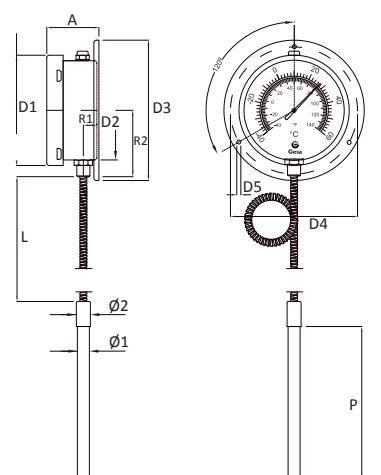
Pointer: Black lacquered aluminum

Capillary coating: AISI 304 Stainless steel

Bulb/Stem: AISI 304 Stainless steel

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

C Bottom with back flange



DIMENSIONS (mm)

WEIGHT (g)

Temperature scale according to DIN 16206

DN	Mounting	A	Ø1	Ø2	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	52	10	12	14	67	110	100	140	124	4	782	835	1016	0+120 0+200	+20+100 +20+180	2	3
Glycerine +271g															0+400 +50+650	+50+350 +100+600	5 10	8 10

How to order

1. Temperature range (°C)

0+120 0+200 0+400 +50+650

2. Stem length (mm)

150 250

3. Process connection

Crazy nut
 Sliding on stem
 Plain bulb

4. Threaded connection

½"BSP ¾"BSP M20x150 M22x150
 ½"NPT ¾"BSPT More on demand

5. Connection type

Male
 Female

6. Connection material

Brass
 AISI 304 Stainless steel

7. Antivibration liquid

Glycerine
 Dry

8. Calibration certificate traceable to ENAC

3 points 6 points
 4 points 7 points
 5 points Without certificate

D31 -

1	2	3	4	5	6	7	8

www.termometros.com

Order it online!

+34 94 676 63 64

info@termometros.com



Gesa Termómetros S.L. · C/ Barrikako Bidea Pol. Ind. Igeltzera Pabellón D3 · 48610 Urduliz (Bizkaia) SPAIN

D6