

D 22

Pyrometer with antivibration system for High Temperatures



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 the temperature of the exhaust gases of the engines.
The pyrometer box is filled with silicon oil serving as a vibration dampener.

STANDARD PARAMETERS

Design: **EN 13190**

Mounting: See attached diagrams **A** or **B**

Closing: Bayonet. Sealed by rubber gasket

IP protection: IP65 (**EN 60529**)

Accuracy: Class 1.6

Temperature limits:

Room temperature: -40+65°C

Fluid overtemperature: maximum 15% end of scale

Max. pressure on stem: 50 bar

Temperature range: +50+650 °C/°F

Sensor element: Bourdon tube (Inert gas expansion)

Stem length (P): **150; 200; 300; 400** mm

Process connection: Sliding on the stem

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

Antivibration liquid: Silicon oil

Vibration damping system: **Spring** or **Silent block (mesh)**

MATERIALS

Case and ring: AISI 304 Stainless steel

Moving parts and bourdon tube: Copper alloy

Threaded connection: AISI 304 Stainless steel

Display: Glass

Dial: White lacquered aluminum

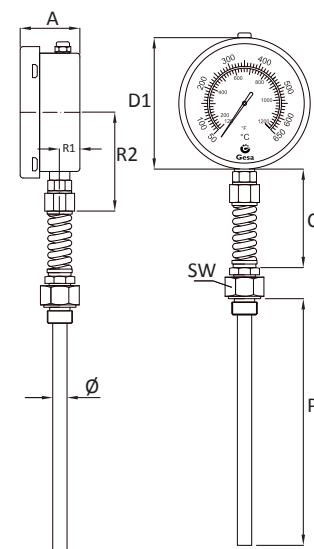
Pointer: Black lacquered aluminum

Stem: AISI 304 Stainless steel

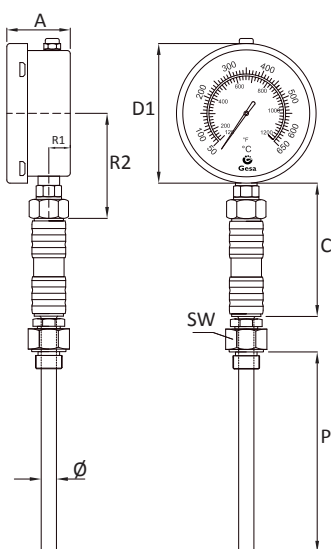
Application:

- Engines
- HVAC

A Spring



B Silent block (mesh)



DIMENSIONS (mm)

WEIGHT (g)

DN	Tipo	R1	A	D1	Ø	R2	SW	C	
Ø100	A	12	50	112	12	83	27	103	1020
Ø100	B	12	50	112	12	84	27	130	1020

Temperature scale according to DIN 16206

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

How to order

1.Vibration damping system

A B

2.Stem length (mm)

150 300
200 400

3.Process connection

Sliding on stem

4.Threaded connection

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

5.Connection type

Male
Female

6.Connection material

AISI 304 Stainless steel

7.Calibration certificate traceable to ENAC

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

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1	2	3	4	5	6	7



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