

Pyrometer with antivibration system for High Temperatures

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.

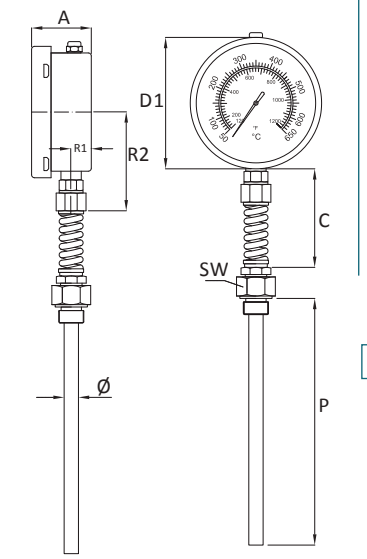
Application:

- **Engines**
- **HVAC**

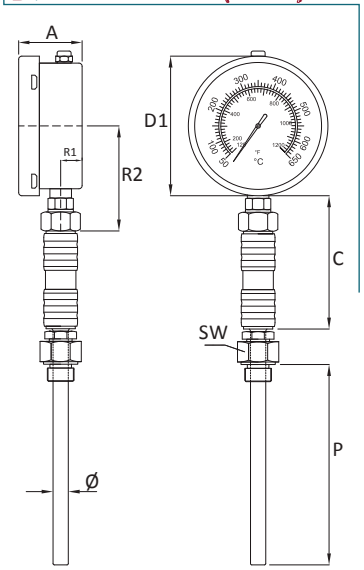
STANDARD PARAMETERS
Mounting: See attached diagrams **A** or **B**
Closing: Bayonet. Sealed by rubber gasket
IP protection: IP65
Accuracy: Class 1.6
Temperature limits:
Room temperature: -40+65°C
Fluid overtemperature: maximum 15% end of scale
Max. pressure on stem: 50 bar
Temperature range: +50+650 °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, ⅜"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 316 Stainless steel

A Spring



B Silent block (mesh)



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	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