

Rigid high temperature pyrometer

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.

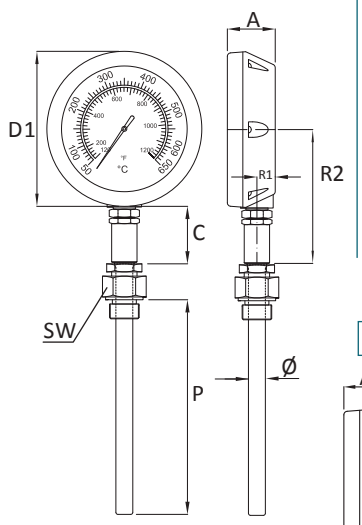
Application:

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

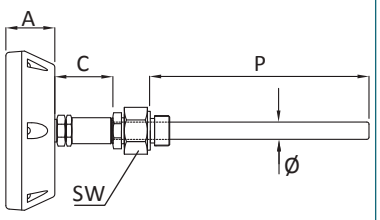
STANDARD PARAMETERS
Mounting: See attached diagrams **A** or **B**
Closing: Ring threaded to case. Sealed by rubber gasket
IP protection: IP65
Accuracy: Class 1.6
Temperature limits:
Room temperature: -40+65°C
Fluid overtemperature: maximum 15% end of scale
Max. pressure on stem: 50 bar
Temperature range: +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, ¼"BSP, M20x150** or **M22x150**
Antivibration liquid: Silicon oil
Vibration damping system: Rigid

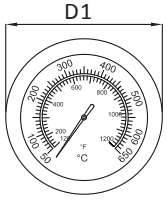
MATERIALS
Case and ring: Black anodized aluminum
Moving parts and bourdon tube: Copper alloy
Threaded connection: AISI 304 Stainless steel
Display: Glass
Dial: White lacquered aluminum
Pointer: Black lacquered aluminum
Stem: AISI 304 Stainless steel

A Bottom



B Back





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	Mounting	R1	A	D1	Ø	R2	SW	C	
Ø100	A	12	32	118	12	100	27	42	877
Ø100	B	-	32	118	12	-	27	42	877