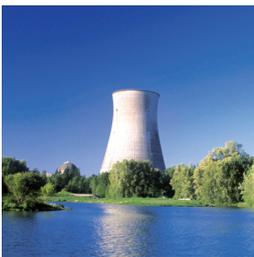


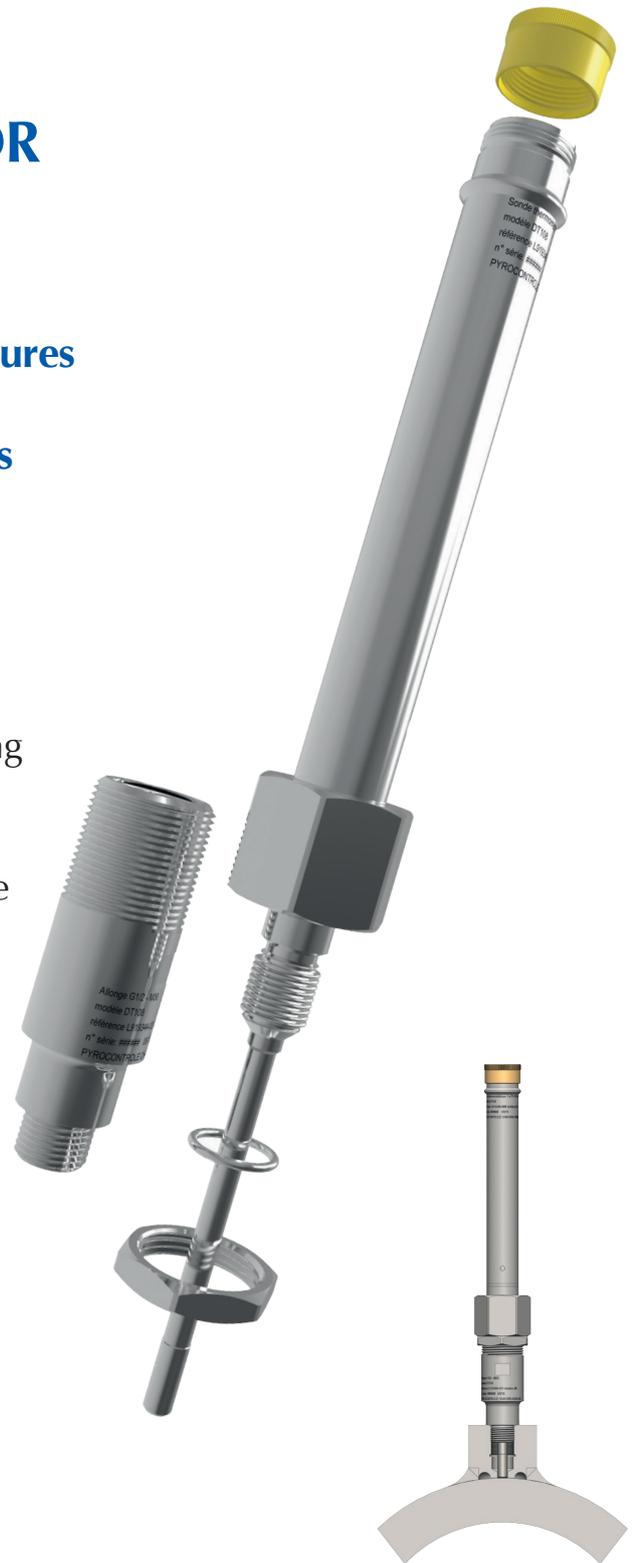
BOSS-MOUNTED TEMPERATURE SENSOR DT108-M1

For measuring surface temperatures
precisely and reliably,
even in post-accident conditions

- High measurement accuracy
- **Qualified as K1 and K2** according to RCC-E
- Reliable measurements over time
- Measurement continuity in post-accident conditions



Nuclear



■ Operation

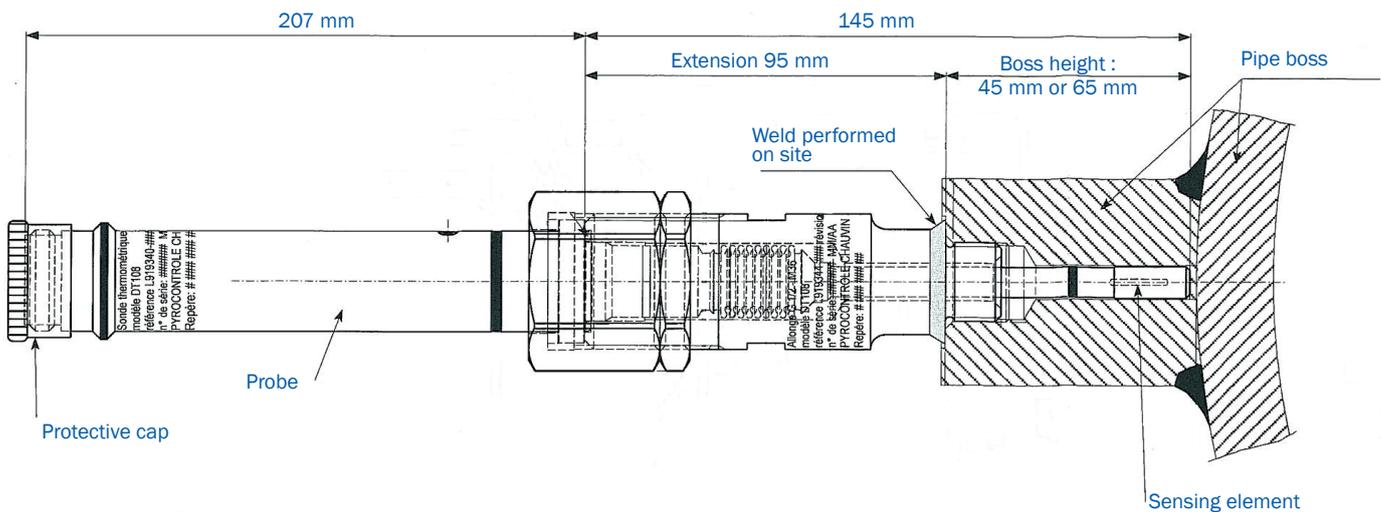
When screwed and welded on a boss, the DT108-M1 provides an indication of the temperature of a fluid inside the conduit on which it is installed.

Two other versions of the DT108 are also available: a pressurizer thermowell model (straight) and a tapered thermowell model. Please contact us for further details.

■ Technical specifications

Temperature range	0 / + 400 °C
Qualification	K1 according to RCC-E or K2 according to RCC-E for EPR™ applications
Response time	Approx. 30s at 63% of the scale in water flowing at 1 m/s
Measuring element	Pt100, 4-wire mounting - ceramic body
Measurement current	Max. current < 3mA to retain the required measurement accuracy Max. value without destruction: 40 mA for 3 min
Measurement accuracy	Sensor compliant with Class B of the IEC 751 standard
Electrical insulation	Ri ≥ 100 MΩ at 100 Vpp with 20 °C Ri ≥ 1 MΩ at 100 Vpp with 400 °C
Electrical connection	SOURIAU 8NA1Y1212PN00SA round hermetic connector socket to be welded
Protection	IP67

■ Design drawing



■ To order

Extension		Probe		
Weight	Ref.	Boss height	Weight	Ref.
515 g	L919344-001	45 mm	696 g	L919340-008
515 g	L919344-001	65 mm	720 g	L919340-007

■ Certifications

Pyrocontrole is **ISO 9001** -certified for management through Quality and **ISO 14001** -certified for environmental impact control. For its equipment for the Chinese civilian nuclear industry, Pyrocontrole benefits from **HAF 604** certification.

FRANCE

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