

# Pt100 Smart-Sensors™

For Cobalt X™ and Cobalt L3™

## Smart-Sensor technology

### *Maximum reliability and unprecedented ease-of-use*

- Smart-Sensor technology stores all calibration information directly in on-board memory, including calibration correction coefficients (a/b or a/b/c), measurement uncertainty after calibration, drift after 1 year, and sensor serial number
- Plug-and-play operation for immediate use with no configuration required
- At recalibration time, swap with a freshly calibrated, ready-to-use sensor without any data loss or down-time
- All-digital technology for maximum consistency and reliability
- The Pt100 Smart-Sensor benefits from an embedded analog-digital signal converter that enables direct calibration, independently of the data logger

## Pt100 Smart-Sensor (-100°C to +200°C)

### *-80 °C freezers, industrial applications*

The Pt100 Smart-Sensor covering -100°C to +200°C is ideal for a variety of situations.

Perfect for monitoring -80°C freezers, this sensor features our Smart-Sensor technology.

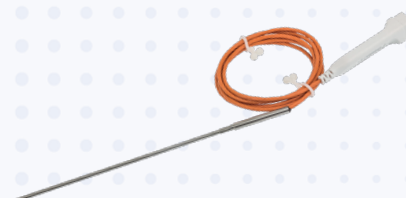


## Pt100 Smart-Sensor (-200°C to +50°C)

### *Cryogenic freezers, liquid Nitrogen tanks*

The Pt100 Smart-Sensor covering -200°C to +50°C is ideal for monitoring ultra-low temperatures.

Particularly well adapted for monitoring cryogenic freezers and Nitrogen tanks, this sensor features our Smart-Sensor technology.



# Specifications

Pt100 Smart-Sensors		
General		
Range	-100°C to +200°C	-200°C to +50°C
Compatibility	 Cobalt X2, Cobalt X1, Cobalt L3	
Product reference	SON.TPT.0009	SON.TPT.0010
Metrology		
Resolution	0.03°C	
Expanded uncertainty	+0.08°C to +0.3°C	
Calibration options	ISO/IEC 17025 (COFRAC) accredited Certified ( <i>non-accredited</i> ) NIST-traceable  <i>Recalibration via sensor exchange</i>	
Characteristics		
Sensor type	Smart-Sensor	
Material	Stainless steel	
Class	Class B	
Cable	3-wire PTFE	
Dimensions	Ø: 3 mm L: 100 mm  Cable: 350 cm (with connector)	Ø: 3 mm L: 100 mm Junction: Ø 6 mm  Cable: 140 cm (with connector)
Protection Index	IP66	

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