

# Pt100 Sensors

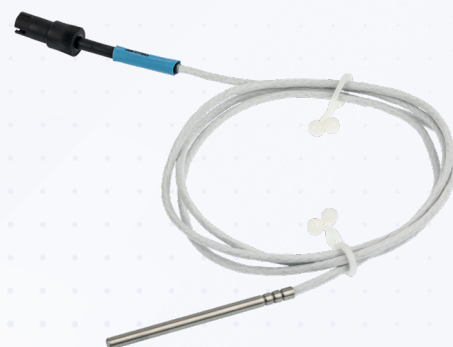
## For Emerald™

### ■ Pt100 Sensor (-200°C to +50°C)

#### *Cryogenic freezers, liquid Nitrogen tanks, transport*

This sensor is well suited for monitoring cryogenic freezers, liquid Nitrogen tanks, and in transport scenarios, offering a high-accuracy solution for Emerald data loggers.

This sensor is designed for use with Emerald data loggers only (either as a standalone device or paired with a Cobalt X data logger).



### ■ Pt100 Sensor (-50°C to +200°C)

#### *Incubators, ovens*

This sensor is well suited for monitoring high temperatures, such as incubators and ovens, as well as in transport scenarios, offering a high-accuracy solution for Emerald data loggers.

This sensor is also designed for use with Emerald data loggers only (either as a standalone device or paired with a Cobalt X data logger).



# Specifications

Pt100 Sensors		
General		
Range	-200°C to +50°C	-50°C to +200°C
Compatibility	 Emerald	
Product reference	SON.TPT.0006	SON.TPT.0012
Metrology		
Resolution	0.03°C	
Expanded uncertainty	± 0.08°C to ± 0.25°C	
Calibration options	ISO/IEC 17025 (COFRAC) accredited Certified ( <i>non-accredited</i> ) NIST-traceable	
Characteristics		
Sensor type	Analog	
Material	Stainless steel	
Class	Class B	
Cable	3-wire PTFE	
Dimensions	Ø: 4 mm L: 50 mm (60 mm with crimp)  Cable: 100 cm (with connector)	
Protection Index	IP66	



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