

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 (non-accredited) 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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