

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	



**kenelec
scientific**

Distributed by:
Kenelec Scientific Pty Ltd
1300 73 22 33
sales@kenelec.com.au
www.kenelec.com.au

DICKSON

Environmental Monitoring + Compliance Experts

Dickson North America
Addison, IL - USA

+1 (630) 543-3747
contact@dicksondata.com

Dickson Europe
Montpellier - France

+33 (0)4 99 13 67 30
contact@dicksondata.fr

Dickson Asia-Pacific
Petaling Jaya- Malaysia

+6037 494 0758
contact@dicksondata.my

www.dicksondata.com

© 2022 Dickson. All rights reserved.
Non-contractual document.
Specifications and product photos subject to change without notice.