

Smart Adapters

For Cobalt X™, Cobalt L3™, and Pt100 sensors

Smart adapter (Binder connector)

Compatible with Dickson's standard Pt100 sensors

Turn your standard Pt100 sensors into Smart-Sensors™!

Connect your sensors to Cobalt X and/or Cobalt L3 data loggers using Smart adapters with a Binder⁽¹⁾ connector.



Smart adapter (Omega connector)

Compatible with most Pt100 sensors

Turn your Pt100 sensors into Smart-Sensors!

Connect your sensors to Cobalt X and/or Cobalt L3 data loggers using Smart adapters with an Omega⁽²⁾ connector.



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
- Smart-Sensors benefit from an embedded analog-digital signal converter that enables direct calibration, independently of the data logger

⁽¹⁾ The Binder connector is Dickson's standard connector.

⁽²⁾ The Omega connector allows for connection with nearly any type of Pt100 sensor.

Specifications

Smart Adapters		
General		
Model	Binder connector	Omega connector
Compatibility	 Cobalt X2, Cobalt X1, Cobalt L3	
Product reference	ACC.ENR.0061	ACC.ENR.0054
Metrology		
Calibration options ⁽¹⁾	ISO/IEC 17025 (COFRAC) accredited Certified <i>(non-accredited)</i> NIST-traceable <i>Recalibration via sensor exchange</i>	
Characteristics		
Supported sensors	Pt100 sensors <i>(not included)</i>	
Cable	3-wire PTFE	
Dimensions	Cable: 100 cm <i>(with connector)</i>	

⁽¹⁾ Calibration and recalibration requires the entire measurement chain, including the Smart Adapter and the Pt100 sensor (*non included*).



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