Temperature, Humidity, and CO₂ Smart-Sensor™
For Cobalt X™

■ 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

■ Triple sensor *(0°C to +50°C, 0 to 99.9% RH, and 0 to 9.99% CO₂)*

For incubators

The triple temperature, humidity, and CO₂ Smart-Sensor is designed for Cobalt X data loggers.

When used with Cobalt X1, readings from 2 sensors can be stored, whereas readings from all 3 sensors are stored with Cobalt X2.

Triple sensor unit
(connected to cradle via cable)

Cradle adapter for Cobalt X

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Specifications

Temperature, humidity, and CO₂ Smart-Sensor	
General	
Range	0°C to +50°C 0 to 99.9% RH 0 to 9.99% CO_2
Compatibility	Cobalt X2, Cobalt X1
Product reference	SON.CO2.0009
Metrology	
Resolution	0.01°C 0.05% RH 0.1% CO_2
Expanded uncertainty	+0.3°C to +0.5°C ±4% RH 0.3% CO_2
Calibration options	ISO/IEC 17025 (COFRAC) accredited **Certified** *(non-accredited)* NIST-traceable *Recalibration via sensor exchange*
Characteristics	
Sensor type	Smart-Sensor
Material	ABS plastic and polycarbonate casing; PTFE filter
Dimensions	79.5 x 76.5 x 45 mm Cable: 240 cm *(with connector)*
Protection Index	IP65 *(sensor unit)* IP44 *(cradle)*

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