

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

Specifications

Temperature, humidity, and CO₂ Smart-Sensor



General

Range

0°C to +50°C
0 to 99.9% RH
0 to 9.99% CO₂

Compatibility



Cobalt X2, Cobalt X1

Product reference

SON.CO2.0009

Metrology

Resolution

0.01°C
0.05% RH
0.1% CO₂

Expanded uncertainty

+0.3°C to +0.5°C
±4% RH
0.3% CO₂

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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