

Product datasheet

Specifications



Air quality sensor, SpaceLogic Sensors, SCD2 Series, CO2, LCD display, BACnet, Modbus, humidity, temperature transmitter, VOC, particulate matter

SCD2LP2AVP

Main

Range of product	SpaceLogic
Product or component type	Sensor
Type of measurement	Temperature Volatile organic compounds (VOC) CO2 Humidity Particulate matter (PM)
Device application	HVAC Indoor air quality (IAQ)
location	Indoor
Calibration certificate	Humidity: replaceable RH element available in 1% & 2% with NIST
Sensor type	Solid state volatile organic compounds (VOC) NDIR (non-dispersive infrared) CO2 Thin film capacitive, replaceable humidity Laser scattering particulate matter (PM) Solid state temperature Transmitter temperature
CO2 measurement accuracy	+/- 30 ppm + 3 % of reading
CO2 measurement range	0...2000 ppm 0...5000 ppm
CO2 measurement repeatability	+/- 20 ppm +/- 1 % of measured value
Colour	Duct: black and green
Communication port protocol	BACnet MS/TP Modbus RTU
Communication network type	Wired
Display type	LCD display
Connections - terminals	Screwless terminals
Enclosure material	Polycarbonate strong housing
Humidity measurement accuracy	+/- 2 % 0...100 % RH
Relative humidity	0...95 % RH, non-condensing
Standards	EN 61000 EN 61000-6-2 EN 61000-6-3 EN 61326-1 UL 916 FCC part 15 class A REACH ICES-003 RoHS
Storage Relative Humidity	0...95 % RH, non-condensing

[Us] rated supply voltage	20...30 V DC 24 V AC
Temperature measurement accuracy	+/- 0.2 °C
Measurement temperature	0...50 °C
Temperature resolution	0.1 °C
VOC measurement accuracy	+/- 15 %
VOC measurement range	0...100 °C
product name	Plant Room Air Quality Sensor
Product brand	Schneider Electric
Range	SCD2 Series
targeted region	Middle East and Africa. Europe North America.

Complementary

Market segment	Buildings
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Environment

IP degree of protection	IP65
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.684 cm
Package 1 Width	14.605 cm
Package 1 Length	31.75 cm
Package 1 Weight	508 g
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) 143

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

[EU RoHS Directive](#) Compliant with Exemptions

China RoHS Regulation [China RoHS declaration](#)

Use Again

Repack and remanufacture

Circularity Profile [End of Life Information](#)

WEEE  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Take-back No