

Product datasheet

Specifications



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

SCD2XP2AVP

EAN Code: 3606485849157

Main

Range of product	SpaceLogic
Product or component type	Sensor
Type of measurement	Humidity Temperature Volatile organic compounds (VOC) CO2 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	Thin film capacitive, replaceable humidity Solid state volatile organic compounds (VOC) NDIR (non-dispersive infrared) CO2 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
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[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 % AQI
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

Contractual warranty

Warranty	18 months
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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)	90
Environmental Disclosure	Product Environmental Profile

Use Better

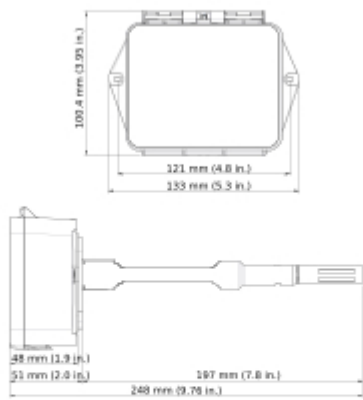
Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant
SCIP Number	Ef43473f-4651-411c-8912-08d1e8c28762

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

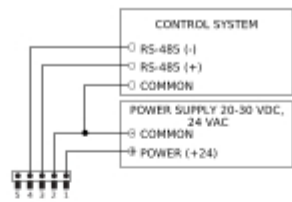
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

