



Main

Product or component type	Sensor
Sensor model	SCD210-D-H
Type of measurement	Humidity Temperature Carbon dioxide (CO2)
Device application	Duct
Location	Plant room
Calibration certificate	Humidity: none
Sensor type	NDIR (non-dispersive infrared), diffusion sampling carbon dioxide (CO2) Digitally profiled thin-film capacitive (32-bit mathematics) humidity 10 kOhm T2 NTC thermistor pressure 10 kOhm T2 NTC thermistor temperature
CO2 measurement accuracy	+/- 1.5 % of measurement range +/- 2 % of measured value
CO2 measurement range	0...2000 ppm
Depth	60.96 mm
Height	78.74 mm
Probe length	198.12 mm
Width	170.18 mm
Display type	LCD
Humidity measurement accuracy	+/- 2 % 10...80 % RH
Humidity measurement range	0...100 % RH, non-condensing
Mounting support	Duct
Max current draw	50 mA, 20...36 V DC 50 mA, 24 V AC
Relative humidity	0...95 % RH, non-condensing
Ambient air temperature for operation	0...50 °C
Analogue output type	4...20 mA 10 kOhm 0...5 V DC 0...10 V DC
Output type	Resistive output
With override	No
Power consumption in W	30 W
Pressure measurement repeatability	+/- 20 ppm +/- 1 % of measured value
Product certifications	U.S. Patents 5,844,138
Maximum switching current	1 A, 30 V DC
Response time	Less than 60 s for 90 % step change
Sensor signal category	Analogue Thermistor
Setpoint	No
Standards	EN 61000-6-3 class B:2007 EN 61326-1 class B:2006 EN 61000-6-2:2005
[Us] rated supply voltage	24 V AC 20...36 V DC
Temperature measurement accuracy	+/- 0.5 °C
Targeted region	Europe Asia Pacific.

Complementary

Range compatibility	TAC I/NET
Material	ABS thermoplastic: enclosure

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.0 cm
Package 1 Width	18.5 cm
Package 1 Length	29.0 cm
Package 1 Weight	600.0 g