Sense Anywhere
SIMPLY SMARTER

DATASHEET

4-20mA INPUT MODULE 01-01-80

4-20mA INPUT MODULE OFFERS LIMITLESS POSSIBILITIES!

Product Description

The SenseAnywhere 4-20mA Input Module is a smart piece of technology that enables digital measurements for all analogue products with a 4-20mA output, an industry standard. The Input Module offers limitless possibilities, as all analogue equipment with a 4-20mA output can be monitored digitally with high accuracy, allowing for the measurement of CO2, pressure and the number of dust particles in cleanrooms, among other things.

When the 4-20mA Input Module is connected to a third-party sensor, all monitored analogue data is digitised by the electronics in the connector and forwarded via the SenseAnywhere Bus (SAB) interface to an AiroSensor 20-20-43, which transmits all measurements to our safe and secure Cloud environment SAClient. The greatest benefit is that all measured values are available in one system, including alarm and reporting functions. In SAClient, alarm parameters can be set, and SenseAnywhere will send notifications when these parameters are exceeded to ensure the safety and quality of products and processes. All monitored data is visible in real-time, with full audit trails available for download.

The 4-20mA Input Module can be calibrated because the electronics in the connector is the instrument used to determine the measured value. This means that only the 4-20mA Input Module needs to be calibrated, not the AiroSensor model 20-20-43 to which it is connected for reliable analogue measurements. The SAClient portal offers many options to set up the parameters that the analogue sensor is measuring including unit of measurement, offset and scaling.



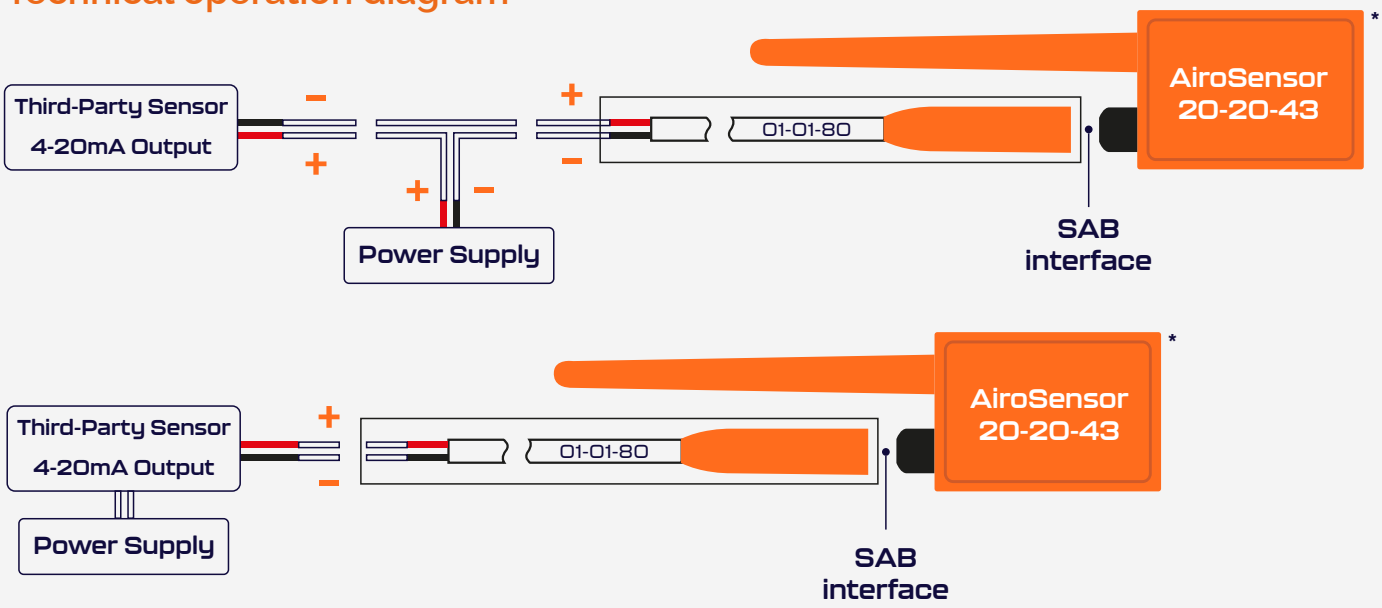


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Cable	2-wire, Ø 3mm TPU cable, 2m long, 2-wire stripped end, 8mm tinned
Connector/Interface	4-pin SenseAnywhere Bus (SAB) interface
Casing Material	PA (UL 94 V-0)
Diameter Connector	Ø 11.5mm / 0.45 in
Protection Class	IP67, when connected to AiroSensor
Temperature Range	-40°C to +70°C *
Logging Interval	5 minutes
Input Impedance	49.9Ohm
Max Current	±24mA
ESD Protection	±2KV
Measurement Range	-20mA to +20mA
Resolution	0,001mA (18 bit ADC)
Accuracy	± (0.003 + 0.03% of reading)mA
Temperature Drift	< 0.35µA/°C
Reverse Polarity Protection	yes
EAN:	0096647495002
* Do not (dis)connect the connector at temperatures below -25°C	

Technical operation diagram



*AiroSensor 20-20-43 is sold separately.