Sense Anywhere
SIMPLY SMARTER

CALIBRATION RvA K 185

bsi
ISO 9001 Quality Management Systems CERTIFIED FM 698025
ISO 14001 Environmental Management CERTIFIED EMS 775860
ISO/IEC 27001 Information Security Management CERTIFIED IS 727158

DATASHEET
AIROSENSOR 20-20-43

MONITOR TEMPERATURE, MOTION AND SAB INTERFACE. MEET OUR AIROSENSOR!

10 years Battery Lifetime

***18,500 events** Logging Capacity

1.000.000 Measurements

SAB

Product Description

The SenseAnywhere AiroSensor X ER model 20-20-43 is like the popular AiroSensor T ER model 20-20-31 with in addition an IP67 class connector featuring the digital SenseAnywhere Bus (SAB). The SAB is a hot pluggable interface which provides power and data communication to SAB external sensors from SenseAnywhere. Due to the nature of this interface the external sensors can be tested and calibrated as an individual device providing a big advantage over analogue interfaces where the sensor and measuring device always need to be calibrated as a pair.

Applicable in various industries











- Temperature range
- Realtime
- Secure data storage
- Instant Alarms

*Please note that measurements from a connected external module are also included in the logging capacity.

DATASHEET AIROSENSOR 20-20-43

Wireless Frequency	ISM Band, 868 MHz (ITU Region 1), 915 MHz (ITU Region 2) or 923 MHz (ITU Region 3)	
Wireless Protocol	SenseAnywhere wireless protocol with automatic service discovery and seamless roaming	
Logging Interval	5 minutes	
Range	Up to 600 m / 2000 ft outdoors	
Logging Capacity	18,500 events with date / timestamp	
Battery Life	Up to 10 years or 1 million messages	
Temperature	Operating range -40 °C to +70 °C* Accuracy Max. ±0.10 °C (0 °C to 70 °C) Accuracy Max. ±0.15 °C (-40 °C to 0 °C) Resolution 0.01 °C Long term stability ≤ 0.01 °C /year	-40 °F to +158 °F ±0.18 °F (32 °F to 158 °F) ±0.27 °F (-40 °F to 32 °F) 0.018 °F 0.018 °F /year
	**Do not disconnect the connector at temperatures below -25 °C*	
Motion	Accelerometer 3-axis, sensitivity 0g – 16g, programmable	
Accessories	• Magnetic Holder Large *(EAN: 0096647495088)* • Module Connector Cap *(EAN: 0096647495125)* • Module Connector Clip *(EAN: 0096647495118)*	
Connectable Modules	• Pt100 Probe *(EAN: 0096647494821)* • Hermetically Sealed Pt100 Probe *(5 m EAN: 0096647495095, 10 m EAN: 0096647495163)* • Pt100 Interface *(EAN: 0096647494838)* • Temp+RH Module *(EAN: 0096647495040)* • Temp Only Module *(EAN: 0096647495101)* • 4-20mA Input Module *(EAN: 0096647495002)* • 0-10V Input Module *(EAN: 0096647495019)* • SAB Extension Cable *(2 m EAN: 0096647494937, 5 m EAN: 0096647494913, 10 m EAN: 0096647494920)*	
Compatibility	EN12830:2018 Accuracy class 0.2, Software class III, storage & transport CE, EN300328, EN55022 (868 MHz) FCC, IC (915 MHz)	
Mounting	Preferred mounting position is vertical. The holder is pre-fitted with very high bond double sided tape and two stainless steel screws are supplied for mounting in very harsh environments or on rough surfaces. Try to avoid mounting on metal surfaces, reinforced concrete walls, inside metal racks or cabinets.	
Casing Material	Device: PC-ABS	
Protection Class	IP67 condition: mating connector placed.	
Dimensions Device:	Sensor	with Holder
Height	143 mm / 5.63 in	143 mm / 5.63 in
Width	31 mm / 1.22 in	35 mm / 1.38 in
Depth	21 mm / 0.83 in	25 mm / 0.98 in
Weight:	42 g	56 g