







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
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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.

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Wireless Frequency	ISM Band, 868 MHz (ITU Region 1) or 915 MHz (ITU Region 2)
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	<p>Operating range -40 °C to +70 °C* -40 °F to +158 °F</p> <p>Accuracy Max. ±0.10 °C (0 °C to 70 °C) ±0.18 °F (32 °F to 158 °F)</p> <p>Accuracy Max. ±0.15 °C (-40 °C to 0 °C) ±0.27 °F (-40 °F to 32 °F)</p> <p>Resolution 0.01 °C 0.018 °F</p> <p>Long term stability ≤ 0.01 °C /year 0.018 °F /year</p>
	<i>*Do not disconnect the connector at temperatures below -25 °C</i>
Motion	Accelerometer 3-axis, sensitivity 0g – 16g, programmable
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:	
Height	143 mm / 5.63 in
Width	35 mm / 1.38 in
Depth	25 mm / 0.98 in
Weight:	56 g