

Monitor temperature, motion and SAB interface

Meet our AiroSensor

 10 years
battery lifetime

 1,000,000
measurements

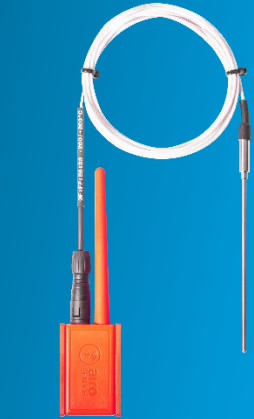
 18,500 events
logging capacity

 SAB bus

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 bus 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
Accurate
temperature sensor.



Motion
The accelerometer
is used to detect
motion or shock.



Location
Arrival and
departure times are
automatically
logged.



Realtime
24/7 data gives you
a complete audit
trail.



Instant alarms
Get notified via
email or text when
limits are exceeded.



**Secure data
storage**
Access your data
anywhere and
anytime via the
Cloud.

AiroSensor

Wireless Frequency	ISM Band, 868 MHz (Region 1) or 915MHz (Region 2)
Wireless Protocol	SenseAnywhere wireless protocol with automatic service discovery and seamless roaming
Range	Up to 600m / 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. $\pm 0.10^{\circ}\text{C}$ (0°C to 70°C) $\pm 0.18^{\circ}\text{F}$ (32°F to 158°F)</p> <p>Accuracy Max. $\pm 0.15^{\circ}\text{C}$ (-40°C to 0°C) $\pm 0.27^{\circ}\text{F}$ (40°F to 32°F)</p> <p>Long term stability $\leq 0.01^{\circ}\text{C} / \text{year}$ 0.018°F / year</p>
	Please note: do not disconnect the connector at temperatures below -25°C
Motion	Accelerometer 3-axis, sensitivity 0g – 16g, programmable
Magnet switch	<p>Detect removal from and insertion into holder</p> <p>Enable or disable alarm (with SwitchHolder)</p> <p>Start or Stop of transport report (with SwitchHolder)</p>
Compatibility	EN12830 class 1, storage & transport, Climatic environment type:D CE, EN300328, EN55022
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.
Dim.	Device
Height	143mm / 5.63 in
Width	35mm / 1.38 in
Depth	25mm / 0.98 in
Weight	56g

