

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 (ITU Region 1) or 915MHz (ITU 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	<table border="0"> <tr> <td>Operating range -40°C to 70°C</td> <td>-40°F to 158°F</td> </tr> <tr> <td>Accuracy Max. $\pm 0.10^{\circ}\text{C}$ (0°C to 70°C)</td> <td>$\pm 0.18^{\circ}\text{F}$ (32°F to 158°F)</td> </tr> <tr> <td>Accuracy Max. $\pm 0.15^{\circ}\text{C}$ (-40°C to 0°C)</td> <td>$\pm 0.27^{\circ}\text{F}$ (40°F to 32°F)</td> </tr> <tr> <td>Long term stability $\leq 0.01^{\circ}\text{C} / \text{year}$</td> <td>0.018°F /year</td> </tr> </table>	Operating range -40°C to 70°C	-40°F to 158°F	Accuracy Max. $\pm 0.10^{\circ}\text{C}$ (0°C to 70°C)	$\pm 0.18^{\circ}\text{F}$ (32°F to 158°F)	Accuracy Max. $\pm 0.15^{\circ}\text{C}$ (-40°C to 0°C)	$\pm 0.27^{\circ}\text{F}$ (40°F to 32°F)	Long term stability $\leq 0.01^{\circ}\text{C} / \text{year}$	0.018°F /year
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	Please note: do not disconnect the connector at temperatures below -25°C								
Motion	Accelerometer 3-axis, sensitivity 0g – 16g, programmable								
Magnet switch	Detect removal from and insertion into holder.								
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.								
Dim.	Device								
Height	143mm / 5.63 in								
Width	35mm / 1.38 in								
Depth	25mm / 0.98 in								
Weight	56g								

