

### Monitor temperature, motion and SAB interface

Meet our AiroSensor

10 years  
battery lifetime

1,000,000  
measurements

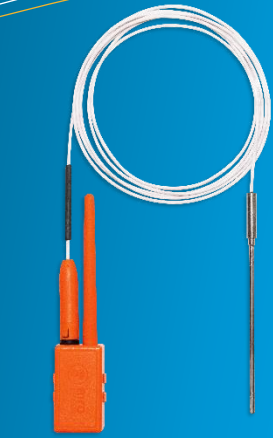
18,500 events  
logging capacity

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

|                           |   |   |
|---------------------------|---|---|
| <b>Wireless Frequency</b> | ISM Band, 868 MHz (ITU Region 1) or 915MHz (ITU Region 2)   |   |
| <b>Wireless Protocol</b>  | SenseAnywhere wireless protocol with automatic service discovery and seamless roaming   |   |
| <b>Logging interval</b>   | 5 minutes   |   |
| <b>Range</b>              | Up to 600m / 2000 ft outdoors   |   |
| <b>Logging capacity</b>   | 18.500 events with date / timestamp   |   |
| <b>Battery Life</b>       | Up to 10 years or 1 million messages  |   |
| <b>Temperature</b>        | Operating range -40°C to 70°C<br>Accuracy Max. $\pm 0.10^{\circ}\text{C}$ (0°C to 70°C)<br>Accuracy Max. $\pm 0.15^{\circ}\text{C}$ (-40°C to 0°C)<br>Resolution 0.01°C<br>Long term stability $\leq 0.01^{\circ}\text{C} / \text{year}$  | -40°F to 158°F<br>$\pm 0.18^{\circ}\text{F}$ (32°F to 158°F)<br>$\pm 0.27^{\circ}\text{F}$ (40°F to 32°F)<br>0.018°F<br>0.018°F /year |
|                           | Please note: do not disconnect the connector at temperatures below -25°C  |   |
| <b>Motion</b>             | Accelerometer 3-axis, sensitivity 0g – 16g, programmable  |   |
| <b>Magnet switch</b>      | Detect removal from and insertion into holder.  |   |
| <b>Compatibility</b>      | EN12830:2018 Accuracy class 0.2, Software class III, storage & transport CE, EN300328, EN55022 (868 MHz)<br>FCC, IC (915 MHz)   |   |
| <b>Mounting</b>           | 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. |   |
| <b>Casing Material</b>    | Device: PC-ABS  |   |
| <b>Protection class</b>   | IP67 condition: mating connector placed.  |   |
| <b>Dim.</b>               | <b>Device</b>   |   |
| Height                    | 143mm / 5.63 in   |   |
| Width                     | 35mm / 1.38 in  |   |
| Depth                     | 25mm / 0.98 in  |   |
| <b>Weight</b>             | 56g   |   |

