

## **DATASHEET**

AiroSensor 20-20-43

#### Monitor temperature, motion and SAB interface

Meet our AiroSensor



10 years battery lifetime



1,000,000



18,500 events logging capacity



#### **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



Location



Realtime 24/7 data gives you a complete audit



Instant alarms



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

> Ver. 0.1 1/2



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AiroSensor 20-20-43



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	$\begin{array}{ll} \mbox{Operating range -40^{\circ}C to 70^{\circ}C} & -40^{\circ}F to 158^{\circ}F \\ \mbox{Accuracy Max. } \pm 0.10^{\circ}C (0^{\circ}C to 70^{\circ}C) & \pm 0.18^{\circ}F (32^{\circ}F to 158^{\circ}F) \\ \mbox{Accuracy Max. } \pm 0.15^{\circ}C (-40^{\circ}C to 0^{\circ}C) & \pm 0.27^{\circ}F (40^{\circ}F to 32^{\circ}F) \\ \mbox{Long term stability} \leq 0.01^{\circ}C \mbox{/year} & 0.018^{\circ}F \mbox{/year} \end{array}$
	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 Enable or disable alarm (with SwitchHolder) Start or Stop of transport report (with SwitchHolder)
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



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