

## DATASHEET AIROSENSOR 20-20-41

### MONITOR TEMPERATURE, MOTION AND DOOR CONTACT. MEET OUR **AIROSENSOR!**

#### Product Description

The SenseAnywhere AiroSensor 20-20-41 with Magnetic Door Contact Set is the ultimate solution to your refrigeration and freezer challenges!

We all know the frustration of discovering that your fridge or freezer has failed due to an open door. With the AiroSensor 20-20-41 combined with the Magnetic Door Contact Set, you can say goodbye to this common problem.

With these two products which should both be ordered; you can program alarms for open or improperly closed doors. This innovative solution monitors door frequency and duration on refrigerators and freezers to prevent potential disasters caused by open doors.

The connector with cable can be easily shortened and the magnetic switch set with terminal screws can easily mount the cable, and they are provided with two double-sided nano-tape pads for easy mounting even in sub-zero temperatures. Please note that the black jack is removed from the 20-20-41 products.

Experience has shown that most alarms and excursions occur due to improperly closed doors. But with the AiroSensor 20-20-41 and Magnetic Door Contact Set, you can rest easy knowing that you are protected against these potential disasters.

Enjoy the peace of mind that comes with knowing your refrigeration and freezer systems are operating at peak performance. Don't wait any longer - upgrade your systems today and join the thousands of satisfied customers who have already experienced the benefits of SenseAnywhere technology.



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### Applicable in various industries



Temperature  
range



Realtime



Instant Alarms



Secure data  
storage



**10 years**  
Battery Lifetime



**18,500 events**  
Logging Capacity



**1.000.000**  
Measurements

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	Operating range -40 °C to +70 °C Accuracy Max. ±0.10 °C (0 °C to 70 °C) Accuracy Max. ±0.15 °C (-40 °C to 0 °C) Resolution 0.01 °C Long term stability ≤ 0.01 °C /year	-40 °F to +158 °F ±0.18 °F (32 °F to 158 °F) ±0.27 °F (-40 °F to 32 °F) 0.018 °F 0.018 °F /year
Motion	Accelerometer 3-axis, sensitivity 0 g – 16 g, programmable	

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Accessories	<ul style="list-style-type: none"> <li>• The Magnetic Door Contact Set is a reliable and easy-to-install accessory for use with the AiroSensor 20-20-41. With a 5-metre cable and flexible attachment options, this accessory is the perfect solution for monitoring fridge doors. The Magnetic Door Contact Set can be easily attached to the fridge using tape or screws, depending on your preference. An alcohol wipe is included to clean surfaces before installation, ensuring optimal adhesion. Please note that this Module is only suitable for use with the AiroSensor 20-20-41. The AiroSensor 20-20-41 and the Magnetic Door Contact Set are not supplied together and must be ordered separately.</li> <li>• Magnetic Holder Large</li> <li>• Module Connector Cap</li> </ul>	
Compatibility	EN12830:2018 Accuracy class 0.2, Software class III, storage & transport CE, EN300328, EN55022 (868 MHz) FCC, IC (915 MHz)	
Mounting AiroSensor 20-20-41	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:	Sensor	with Holder
Height	143 mm / 5.63 in	143 mm / 5.63 in
Width	31 mm / 1.22 in	35 mm / 1.38 in
Depth	21 mm / 0.83 in	25 mm / 0.98 in
Weight:	41 g	56 g
Dimensions:	Magnetic Door Contact Set	
Cable length	5 m long	
Size magnets	Length 50 mm x width 14 mm x depth 12 mm	
Weight:	100 g	