



DATASHEET

AIROSENSOR 20-20-24 | 20-20-25

MONITOR TEMPERATURE, HUMIDITY AND MOTION.
MEET OUR **AIROSENSORS!**



10 years
Battery Lifetime



18,500 events
Logging Capacity



1.000.000
Measurements

Product Description

The SenseAnywhere AiroSensor is a very compact, accurate and robust wireless data logger for temperature, humidity and motion. This data logger communicates with and stores data in the Cloud. The product is easy to install, use and maintain! Its ultra-low power design allows up to 10 years of operation without maintenance. AiroSensor 20-20-25 can transmit wirelessly up to 600 meters (line of sight) to an AccessPoint. Perfectly suited to monitor relative humidity inside storage rooms.

Applicable in various industries



Temperature
range



Realtime



Secure data
storage



Instant Alarms



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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			
	Model 20-20-24		Model 20-20-25	
Range	Up to 100m / 300 ft outdoors		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	Operating range -30°C to 70°C Accuracy Typ. ±0.3°C Max. ±0.4°C (-10°C to 70°C) Max. ± 0.5°C (-30°C to -10°C) Resolution 0.02°C Long term stability ≤ 0.01°C /year		-22°F to 158°F Typ. ±0.54°F Max. ±0.72°F (14°F to 158°F) Max. ±0.90°F (-22°F to 14°F) 0.036°F 0.018°F/year	
Humidity	Operating range 0 – 100% RH non-condensing Accuracy Typ. ±2% RH, Max. ±3% RH (0 – 80% RH), Max. ±4.5% RH (80-100% RH) Resolution 0.1% Long term stability ≤ 0.25% RH/year (<i>Prolonged use at extreme temperature and/or humidity levels may result in a larger RH% drift.</i>)			
Motion Detection	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	EN12830:2018 class 0.5, storage & transport, Climatic environment type: D CE, EN300328, EN55022 (868 MHz) FCC, IC (915 MHz)			
Mounting	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	PC-ABS, easy to clean surface			
Protection Class	IP62			
Accessoires	SwitchHolder			
	Model 20-20-24		Model 20-20-25	
Dimensions	Sensor	with Holder	Sensor	with Holder
Height	41mm / 1.61"	41mm / 1.61"	131mm / 5.15"	131mm / 5.15"
Width	32mm / 1.26"	33mm / 1.30"	32mm / 1.26"	33mm / 1.30"
Depth	22mm / 0.87"	24mm / 0.94"	22mm / 0.87"	24mm / 0.94"
Weight	32 g	40 g	37 g	45 g