



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 100 m / 300 ft outdoors | | 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 -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 0 g – 16 g, 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 | 41 mm / 1.61" | 41 mm / 1.61" | 131 mm / 5.15" | 131 mm / 5.15" |
| Width | 32 mm / 1.26" | 33 mm / 1.30" | 32 mm / 1.26" | 33 mm / 1.30" |
| Depth | 22 mm / 0.87" | 24 mm / 0.94" | 22 mm / 0.87" | 24 mm / 0.94" |
| Weight | 32 g | 40 g | 37 g | 45 g |