Sense Anywhere
SIMPLY SMARTER

CALIBRATION RvA K 185

bsi	ISO 9001 Quality Management Systems **CERTIFIED**	ISO 14001 Environmental Management **CERTIFIED**	ISO/IEC 27001 Information Security Management **CERTIFIED**
	FM 698025	EMS 775860	IS 727158

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

○ PHARMA   ○ MAPPING   ○ LABORATORY   ○ FOOD

- **Temperature range**
- **Secure data storage**
- **Realtime**
- **Instant Alarms**

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

	Model 20-20-24	Model 20-20-25
Wireless Frequency	ISM Band, 868 MHz (ITU Region 1), 915 MHz (ITU Region 2) or 923 MHz (ITU Region 3)	
Wireless Protocol	SenseAnywhere wireless protocol with automatic service discovery and seamless roaming	
Logging Interval	5 minutes	
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 -22˚F to +158 ˚F Accuracy Typ. ±0.3 ˚C Typ. ±0.54 ˚F Max. ±0.4 ˚C (-10 ˚C to +70 ˚C) Max. ±0.72˚F (14 ˚F to 158 ˚F) Max. ± 0.5 ˚C (-30 ˚C to -10 ˚C) Max. ±0.90 ˚F (-22 ˚F to +14 ˚F) Resolution 0.02 ˚C 0.036 ˚F Long term stability ≤ 0.01 ˚C /year 0.018 ˚F/year	
Humidity	Operating range 1 – 95 %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 *The AiroSensors 20-20-24 and 20-20-25 are primarily designed for monitoring warehouses and ambient environments. When they are being used in environments exceeding that 70 %rh, they may experience significantly more drift due to the absorption of moisture by the sensors' polymer film. This is a common property of capacitive polymer sensors: the absorption of the moisture can change the dielectric constant of the material, which affects the capacitance reading across the sensor. Shortened calibration intervals and/or increased intermediate checks can provide assurance about the sensors' performance. It is advised to use a third-party humidity sensor with an analogue output (0-10V or 4-20mA), in combination with our analogue input Modules for high humidity applications such as incubators, climatic chambers for humidity, and other scientific equipment.*	
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	

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

	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