

TempCube

AiroSensor Externe Antenne



DataSheet



Model 20-20-25

The SenseAnywhere AiroSensor is a very compact and robust wireless data logger for temperature, humidity and motion. Its ultra-low power design allows up to 10 years of operation without maintenance. Due to its antenna design it can transmit data wirelessly to an AccessPoint without any repeater over distance of up to 600 meters.

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:

15.000 events with date / timestamp

Battery Life:

Up to 10 years or 1 million messages

Sensors:

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)	±0.72°F (14°F to 158°F)
	Long term stability	< 0.01°C /year	0.018°F/year
Humidity	Operating range	0 – 100% RH non-condensing!	
	Accuracy Typ.	±2% RH, Max. ±3% RH (0 – 80% RH)	
	Long term stability:	< 0.25% RH/year	
Motion	Accelerometer 3-axis, sensitivity 0g – 16g, programmable		
Reed switch	Detect removal from and insertion into holder		

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	PC-ABS, easy to clean surface
Protection class	IP62

Dimensions:

	AiroSensor	with holder
Height	131 mm / 5.15 inch	131 mm / 5.15 inch
Width	32 mm / 1.26 inch	33 mm / 1.30 inch
Depth	22 mm / 0.87 inch	24 mm / 0.94 inch

Weight:

37g	45g with holder
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