

# TempCube

SenseAnywhere ClimateSensor



## DataSheet



Model 20-20-51

The ClimateSensor from SenseAnywhere is the most versatile and lowest power consuming wireless indoor climate sensor around. It runs up to 10 years unattended on its internal battery and contains a CO<sub>2</sub>, temperature, humidity sensor and has PIR to detect presence of people in the room. It is perfectly fit to monitor indoor climate conditions of class rooms, meeting rooms and any other room in inhabited buildings. The information from the climate sensor can be used for creating optimal indoor conditions and will contribute to energy saving and greener buildings by adapting the heat/cooling and ventilation of individual rooms.

<b>Wireless:</b>		
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 300m	
<b>Logging capacity:</b>		
	8000 events with date / timestamp	
<b>Battery Life:</b>		
	Up to 10 years or 1 million messages	
<b>Sensors:</b>		
Temperature	Operating range	0°C to 50°C
	Accuracy Typ.	±0.3°C
	Accuracy Max.	±0.4°C
	Long term stability	≤0.01°C /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
CO <sub>2</sub>	Non-dispersive infrared (NDIR) absorption 0-5000 PPM (Ambient conditions)	
	Accuracy:	± 50 PPM ± 3% of reading
	Calibration:	Autocalibration
	Pressure Dependence:	0.13% per mm Hg in normal atmospheric conditions
PIR	Passive Infrared Sensor	
	Detection angle:	90°
	Detection range:	5m
<b>Compatibility:</b>		
	CE, EN300328, EN55022	



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<b>Mounting:</b>	Rubber feet for placement on flat surface Mounting plate for wall or ceiling mounting Camera mount (1/4" thread)
<b>Casing:</b> Material Protection class	PC-ABS, easy to clean surface IP62
<b>Dimensions:</b> Height Diameter	<b>Device</b> 43 mm 78 mm
<b>Weight:</b>	100g