

AXIS360-Temp

TEMPERATURE & HUMIDITY MONITORING

The Axis360-Temp LoRa® sensor provides a very accurate temperature and humidity monitoring solution. Compatible with the LoRaWAN network with a battery lifecycle of up to 10 years. Reporting every 15 minutes (or as needed) it reacts instantly to temperature or humidity changes delivering near to real-time notification. Licence free messaging of up to 20 kilometres*.

Ready to deploy, these sensors are fully CE certified for commercial or domestic use. Simple configuration offering plug and play installation where there is existing LoRaWAN™ coverage. Alternatively, private coverage of up to 20 kilometres rural* and 3 kilometres urban* can be achieved through purchasing one or more Gateways. Accurate, dependable and long battery life.

- Accurate to within $\pm 0.3^{\circ}\text{C}$ in the range 0°C to $+65^{\circ}\text{C}$
- Updates every 15 minutes alerting to temperature changes
- Up to 20 Km in rural areas or 500 metres inside buildings*
- LoRa® Alliance Certified, LoRaWAN™ ready, CE certified
- NFC for easy configuration, user installable, battery replaceable



DESCRIPTION

A LoRaWAN™ temperature and humidity sensor enclosed in a small ABS box (86mm x 86mm x 26mm). Inside it has two internal sensors: temperature sensor and humidity sensor. It is powered by a 3.6V lithium battery capable of performing in the full range of temperatures. Battery life up to 10 years dependant on the sample interval, transmit interval, data rate and other environmental factors. The sensors equipped with NFC (Near Field Communication) for easy configuration from an Android phone. All sensors available on the LoRaWAN™ Channel planes for EU863-870, US902-928.

Solutions

- Refrigeration environments
- Monitoring property condensation
- Alerting sudden temperature changes

SPECIFICATION

Temperature (SHT30)	Accuracy: 0°C to 65°C	Tolerance: $\pm 0.3^{\circ}\text{C}$
Humidity (SHT30)	Accuracy: 0% to 100%	Tolerance: $\pm 3\%$ rh
Battery (3.6v AA lithium)		

OPERATION

Operating temperature	Min	-0°C	Max	$+80^{\circ}\text{C}$
Communication range	Rural	20 Km*	Urban	3 Km*
Power expectancy	Min	1 year	Max	10 years

* Subject to environmental factors and placement of sensors and gateways