

Temperature / Humidity Sensor

TKT-01

Continuous monitoring of temperature, humidity, humidex and mold risks in all types of buildings.



Technical Parameters

Dimensions	65 x 45 x 41 mm
Device weight	120 g
Data acquisition frequency (F)	1 to 1440 (typ. 60) min
Accuracy for RH readings	4 % (1)
Operating temperature	-40 to 70 °C
Operating relative humidity	5 % - 95 % non-condensing
Wireless range	800 mm (2)
Battery type	Lithium battery C / 3.6 V / 8.5 Ah
Battery life	Up to 15 years

(1) Over full range of relative humidity and temperature (± 2 % over 20 - 80 % RH at 25 °C).

(2) Based on the statistical average of the Tensio technology park.

LoRa Parameters

RF Power	Up to 20 dBm
RF Sensitivity	Up to -137 dBm (SF12, 125kHz)
ISM Band	All global ISM bands
Antenna	Internal
LoRa Device Class	Class A

Regulatory Compliance

Safety	IEC 623368-1 (CE)
Regulatory	ETSI EN 300 220 ETSI EN 301-489-1/-3 FCC 15.247 FCC 15.209 RSS-247 RSS-GEN

Certifications, Compatibility and Prerequisites

Ingress protection	IP67
Communication protocol	LoRaWAN (1)
Other prerequisites	Installing a LoRaWAN gateway

(1) LoRaWAN region US915.