

LoRaWAN Temperature and Humidity Sensor 1x external T&H probe

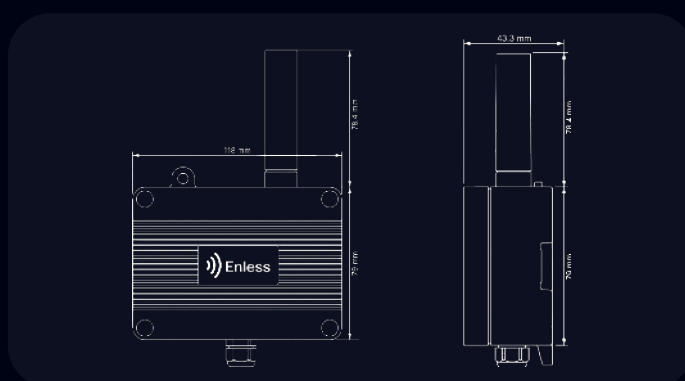
TX T&H EXT 600-134



Description

Designed for measuring temperature and humidity in industrial or harsh environments (ventilation ducts, cold rooms, warehouses...), this LoRaWAN temperature sensor equipped with a remote temperature and humidity probe allows measurements in the most demanding environments. Compatible with LoRaWAN and LoRa Easy protocols (proprietary Enless protocol), its data can be sent directly to your supervision system or your BMS, without the need for cabling or heavy work.

Dimensions



Radio

Supported protocols	LoRaWAN LoRa Easy (proprietary Enless protocol)
LoRaWAN Class	Class A
LoRaWAN Version	Version 1.0.2 RP001-1.02. revB
Frequency	US915 (915MHz)
Identifiers	LoRaWAN: DevEUI, AppEUI, AppKey LoRa Easy: LoRa ID
Transmission power	25mW (14 dBm)
Encryption	AES128 in LoRaWAN mode

Features

Protection rating of the housing	Nema 4 / IP65
Mounting	Wall-mounted (screwed), Clamp, DIN Rail
Operating temperature	-20 / +55°C
Power supply	Lithium Battery 3.6V type D (BAT D 1000-031) Info: Replaceable battery
Battery lifespan	12 years for a transmission every 5 minutes (SF9) Up to 15 years of autonomy
Configuration	LoRaWAN: Downlink LoRa Easy: From the receiver server

Measurements

Probe types	Remote temperature and humidity probe
Cable length	1.5m
Temperature	Probe measurement range: -40 / +125°C Probe accuracy: +/- 0.5°C Probe resolution: 0.01°C
Humidity	Probe measurement range: 0 - 100% rH Probe accuracy: +/- 2% rH Probe resolution: 0.1°C

Certifications

