

# Temperature Measurement

## Rugged Temperature Sensor

TX TEMP INS 600-131



- Temperature measurement
- Suitable for industrial or outdoor environments
- LoRaWAN & proprietary LoRa compatible
- High-capacity D-type battery
- Up to 20 years of autonomy
- Very long radio range

### Technical Specifications

#### Physical Characteristics

Protection rating	NEMA 4 / IP65
Mounting	Wall / Clamp / DIN rail
Operating temperature	-20 / +55°C
Operating relative humidity	10% - 90% (non-condensing)
Operating altitude	< 2000m
Operating pollution degree	3
Power supply	Replaceable Lithium 3.6V D-type battery
Battery life	10 years for a transmission every 5 minutes (SF9)

#### Radio

Supported protocols	LoRaWAN (Class A) and Enless LoRa mode
Frequency	US915
Addressing	LoRaWAN = DEVEUI, APPEUI, APPKEY (OTAA) Enless LoRa mode = Enless LoRa ID
Encryption	LoRaWAN = AES128 Enless LoRa mode = No encryption
Transmission power	25mW (14 dBm)

## Measurements

### Temperature

Sensor measurement range -40 / + 125°C

Sensor accuracy +/- 0,2°C

Sensor resolution 0,1°C

### Certifications



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### Dimensions (mm)

