Temperature Smart Sensor with thin cable



Smart Sensor temperature sensor for wireless data logger of the DeepWave system with LoRa technology, with thin cable (2 mm in diameter) for passage on door seals.

The Smart Sensor contains the calibration and identification data in its electronics: so the **recalibration process is simple and quick**: just replace the sensor that is sent to you, calibrated, before the calibration expires of the one installed, without having to request the intervention of a technician on site for calibration or having to remove the data loggers from their position to send them to a calibration laboratory.

There are no additional costs!

All Smart Sensors are supplied with an **Accredia traceable calibration certificate included**.



Main features

- Standard cable length (50 cm) avilable but different rigid stainless steel probes: 30 or 80 mm, rounded or pointed
- Using the extensions it is possible to extended the cable length
- Possibility to switch sensors and devices with no calibration loss

Plus

- Easy recalibration: no need to uninstall the whole device for recalibration (sensor and unit), just disconnect the uncalibrated sensor and connect the calibrated one
- Time saving: you never loose a single minute of monitoring, since you **receive the new calibrated sensor BEFORE unplugging the expired one** (that will be sent back to Tecnosoft)
- Easy to use: no configuration needed. The system recognizes automatically the sensors connected

The system

Smart Sensors of temperature and humidity work with the DeepWave system and LoRa Wan radio nodes:

- DeepWave LoRa radio modules
- TSLog 21 software, 21 CFR compliant
- Receiver Helios

Accessories

- Gea
- Mercury
- Jupiter
- Saturn
- Helios - LoRa Gateway
- TSLog 21
- Smart Sensor / ZED IT adapter cable extensions
- Flat DeepWave Node / Smart Sensor cable extension
- LoRa Node / Smart Sensor cable extensions

Applications

Pharmaceutical

Validation

Cosmetics

Environment

Healthcare

Cold Chain

Warehouses

Food & Beverages

Medical

Laboratories

Logistic&Transport

Industrial

Technical specifications

Smart Sensor Dimensions	Cable 500 l X 2 Ø (mm) - Probe 30 or 80 l X 2 Ø (mm) pointed or rounded
Connection cable	100 l X 3 Ø (mm)
Sensor temperature range	-40 °C ÷ +80 °C
Standard calibration points (temperature)	-30/0/20/60°C
Extra calibration points (temperature)	Within the range -40 °C ÷ +80 °C
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (within the calibration range)