

# 200 temperature Smart Sensor

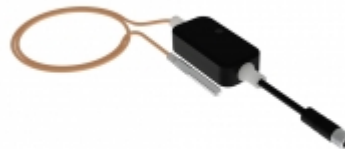


Smart temperature sensor for radio data logger of the DeepWave system with LoRa Wan technology, for ovens and climatic chambers starting from temperatures up to 200 ° C, with Teflon cable.

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) available but different rigid stainless steel probes: 30 or 80 mm, rounded or pointed
- Using the extensions it is possible to extend 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 lose a single minute of monitoring, since you receive the new calibrated sensor BEFORE unplugging the old one (that will be sent back to us)
- Easy to use: no configuration needed. The system recognizes automatically the sensors connected

## The system

Smart Sensors of temperature up to 200°C are implemented in the DeepWave system and LoRa Wan radio nodes:

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

## Applications



Food & Beverages



Environment



Cosmetics



Pharmaceutical



Medical



Validation



Healthcare



Warehouses



Laboratories



Logistic&Transport



Industrial

## Accessories

- Deimos
- Fobos
- Gea
- Moon
- Mercury
- Pluto
- Jupiter
- Neptune
- Saturn
- Helios - LoRa Gateway
- TS Manager
- Smart Sensor / ZED IT adapter cable extensions
- Flat DeepWave Node / Smart Sensor cable extension
- LoRa Node / Smart Sensor cable extensions

## 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                  | 0°C ÷ +200°C  |
| Standard calibration points (temperature) | 0/100/150/200°C   |
| Extra calibration points (temperature)    | Within the range 0 °C ÷ +200 °C   |
| Temperature resolution                    | 0,01 °C   |
| Temperature accuracy                      | ± 0,2 °C (within the calibration range)                                 |