Juno

DeepWave system radio temperature sensor with long distance data transmission, with high resolution OLED display and 4-button control keypad. The batteries are user replaceable and the temperature sensor is internal. **Accredia traceable certificate may be requested.**

Applications

❄️
Cold Chain

📦
Warehouses

🍃
Environment

🍴
Food & Beverages

⚗️
Laboratories

🧱
Constructions

Main features

- Temperature data logger with long distance radio transmission (up to 3 km in open field)
- 0.91 "OLED display
- 4-button keypad for configuration and diagnostics
- User replaceable batteries
- Can be calibrated (ISO certificate on request)

Plus

- Easy to install and configure
- It covers long transmission distances
- Validatable DeepWave system

The system

The data logger is part of the DeepWave system consisting of:
- DeepWave radio modules (Lo.Ra. nodes)
- Helios receiver (Lo.Ra. gateway)
- TSLog 21 software

Accessories

- TSLog 21
- Helios - LoRa Gateway
- Surface Support for DeepWave Node
- Wall Mounting support for DeepWave Node

Technical specifications

Dimensions	146.6 X 88 X 33 (mm)
Weight	280 g
Materials	ABS, Rubber

Sensors	1 X internal temperatura
Temperature range	-20 °C ÷ +50 °C
Standard calibration points (temperature)	-10/0/20/40°C
Extra calibration points (temperature)	Within the range -20 °C ÷ +50 °C
Temperature resolution	0,02 °C
Temperature accuracy	± 1 °C without certificate / ± 0,25 °C with Accredia traceable certificate (valid in the calibration range)
Sensor type	NTC
Memory (n. of acquisitions)	16.383
Acquisition step	From 1 minute up (in steps of 1 minute)
Display size	0,91" 22,4 x 5,7 (mm) (128 x 32 pixel)
Display and functions	Current values, Alarms, Diagnostics, Radio Signal Strength
Functions	Data recording, transmission, alarm
Communication	Radio
Protocollo Radio	Lo.Ra.
Frequenza	868 MHz
Antennae	Internal
Battery type	3 AA 1,5 V batteries
Battery life	18 months with 15 minutes transmission step
Protection degree	IP65
Software&Mobile App	TSLog 21
Regulation compatibility	CE, ROHS
Regulation compatibility	FDA 21 CFR Part 11, Annex 11, GAMP 5