Venus

DeepWave Wireless Real Time Monitoring System temperature data logger with long distance transmission, with high definition ePaper display, 4-button control keypad and buzzer for acoustic alarms. User replaceable batteries and internal temperature sensor. **Request the Accredia traceable certificate.**

Applications

❄ Cold Chain

▥ Warehouses

🍂 Environment

🍴 Food & Beverages

⚗ Laboratories

▦ Constructions

Main features

- Temperature sensor with long distance radio transmission (up to 3 km in open field)
- 2.9" ePaper display
- 4-button keypad for diagnostics and configuration
- User replaceable batteries
- Can be calibrated (ISO certificate)

Plus

- Easy to install and configure
- Covers long transmission distances
- Low energy draining display
- Locala larm for immediate intervention
- Validatable DeepWave system in pharmaceutical and healthcare environment

The system

The DeepWave system consists 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
Alarms	Local (acoustic)
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