Radio Printer and Radio Printer USB 🇬🇧

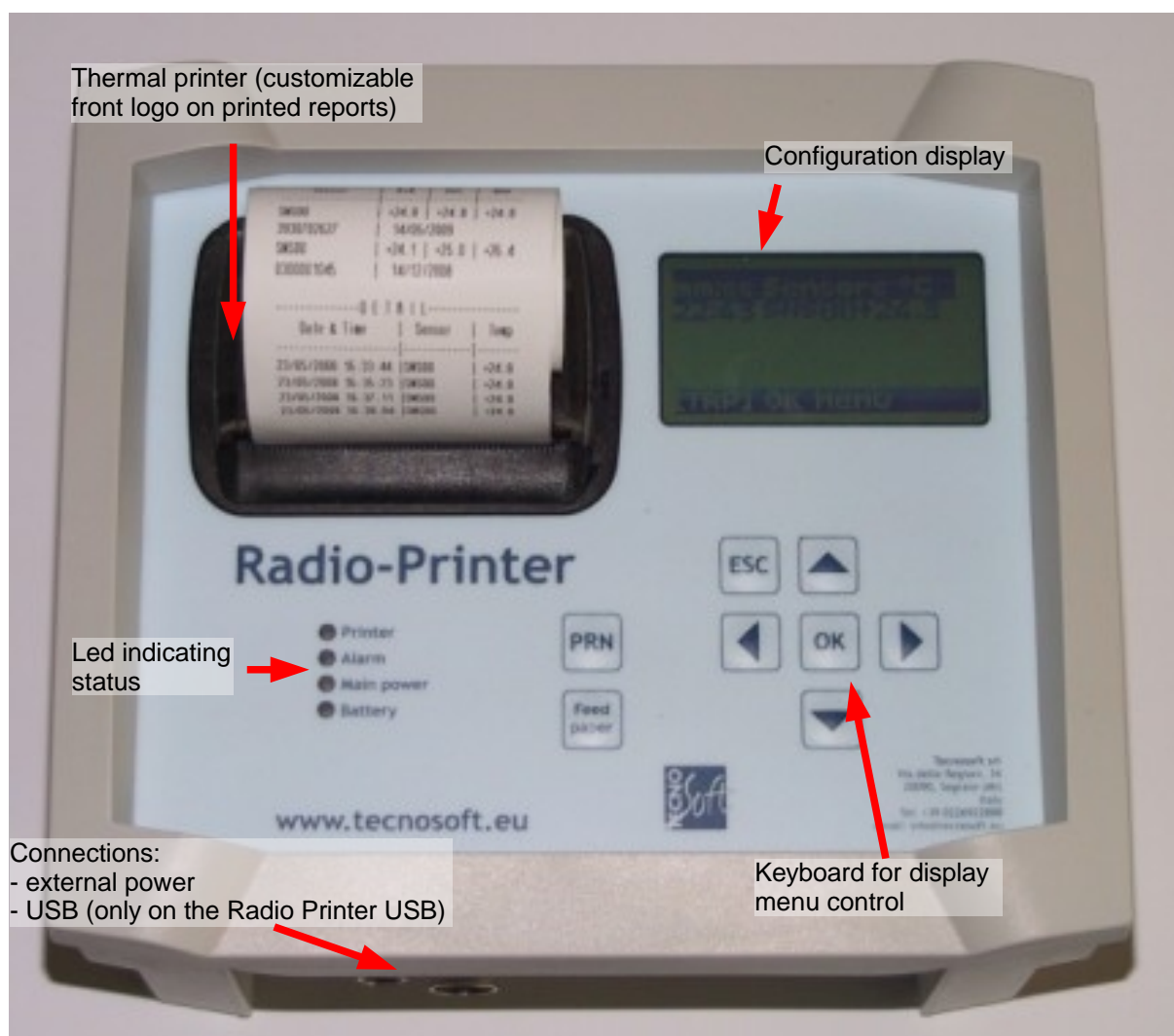## Wireless Receiver with Printer and Alarms for Temperature Monitoring

The **Radio Printer** is a wireless system for temperature monitoring and control. It is made up by one or more temperature sensor-transmitters, like the **TempStick Radio** or the **Intelligent Sensor** with the **Radio Node**, and a radio receiver, the Radio Printer itself. It has everything it needs to work and doesn't require any PC or software: the display allows to configure the sensors and the printer to print easily and quickly all the stored data.

Pro

- no need of a PC nor software;
- graphic and alphanumerical LCD display;
- LED and sound alarms for thresholds set by the operator;
- display values for each sensor and all data recorded;
- rechargeable batteries and external power supply;
- USB version with data download on USB pen-drive and import on the TSR software, with graph, table, report printing and MS Excel exporting (SLK format).

Applications

- stock houses and warehouses monitoring;
- fridges and fridge cells monitoring;
- environment monitoring;
- computer rooms control;
- laboratories monitoring;
- transport monitoring;
- catering services;
- HACCP compliance temperature monitoring;
- ISO compliance temperature monitoring.

Thermal printer (customizable front logo on printed reports)

Configuration display

Led indicating status

Keyboard for display menu control

Connections:
- external power
- USB (only on the Radio Printer USB)

Technical Features

Radio Printer	
Size	20 X 17,6 X 8,6 cm
Weight	1.00 Kg
Display	Graphic and alphanumeric with selection menu
LED	Led indicating status (external power, low battery, alarms, printer status)
Printer	Thermal printer for data printing (customizable logo)
Keyboard	6 keys keyboard (OK, ESC, 4 directional keys) + PRN and paper Feed button
Acquisition Mode	– Non-stop monitoring with print on demand – Non-stop monitoring with print at intervals – Non-stop monitoring with print at set times – Transport monitoring with print on demand
Print Mode	– Summary print (Max, Min, Average) – Detailed print (all the data for each sensor)
Memory	134.800 acquisitions (to share among the paired sensors)
Alarms	Programmable alarms on set temperature thresholds; alarm for memory full
Power source	Re-chargeable internal battery. Can be connected to the cigar lighter of the vehicle
Connections	Radio connections for communication with the *TempStick Radio* or the *Intelligent Sensor* + *Radio Node*; serial for logo changing; USB for pen-drive (on Radio Printer USB only)
Radio Printer USB	Download data on a **USB pen-drive** and import them on the PC with the TSR software; display data in table and graph, print them in reports and export them in MS Excel format (SLK)
N. of sensors	Receives up to 32 sensors
Radio type	433.92 MHz (external antenna available)
Radio transmission range	250 meters in open space; in closed environment depends on many variables and obstacles
Accessories	Battery charger included, available also for the cigar lighter
Power	14 ÷ 18 vcc. - 3.5 A Max
Language	English, Italian, German, Portoguese

TempStick Radio	
Size	6,5 X 5 X 4,5 cm
Unit Temperature Range	-20 °C ÷ +60 °C
Sensor Temperature Range	-40 °C ÷ +90 °C
Resolution	0,03 °C
Accuracy	±0,25 °C with calibration certificate ±1 °C without calibration certificate
Transmission interval	From 1 reading every second up
Battery (Radio)	Factory replaceable
Autonomy	More than 500.000 acquisitions/transmissions - more than 10 years with standard use (24 acquisitions per day)

Intelligent Sensor (temperature only) + Radio Node	
Size (Radio Node)	6,5 X 5 X 4,5 cm
Radio Node Temperature Range	-20 °C ÷ +60 °C
Sensor Temperature Range	-40 °C ÷ +90 °C
Resolution	0,03 °C
Accuracy	±0,25 °C with calibration certificate
Transmission interval	From 1 reading every second up
Battery (Radio Node)	Factory replaceable
Autonomy	More than 500.000 acquisitions/transmissions - more than 10 years with standard use (24 acquisitions per day)

Note: to start TempStick Radio or Radio Node you'll need the Radio Configuration Interface and the Radio Starter software (free for download from Tecnosoft web site).

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