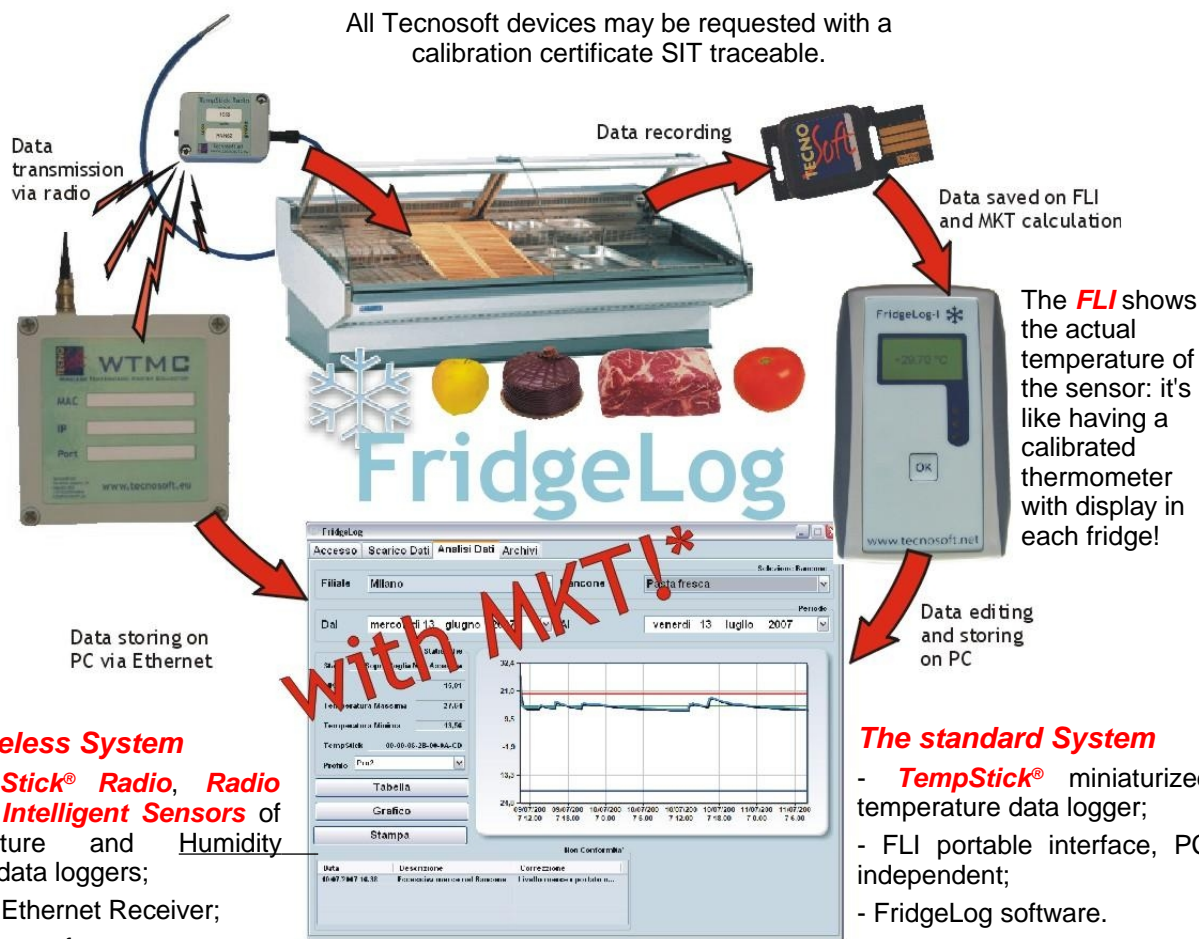


FRIDGELOG system

Temperature and Humidity Monitoring System with standard and wireless loggers

The FridgeLog software is the core of this system that shares both standard and wireless loggers, with real time monitoring and advanced features for data management.



Real Time Alarms

The FridgeLog in wireless mode can be integrated with the TAS module for alarms, with indication of the point alarmed, the kind of alarm and values recorded:

- local alarms on PC;
 - email alarms;
 - SMS alarms (with GSM modem connected to the PC).
- In this way you'll always be in control of your monitored sites.

Applications

- temperature monitoring in fridges of supermarkets;
- temperature monitoring in fridge cells;
- temperature monitoring in stock houses and warehouses
- temperature monitoring in every continuous process.

Pro

- advanced data management with centres and monitoring points;
- data downloaded to the interface during the periodic control of the fridges and expiring goods (with **TempStick®** and FLI);
- automatic download of data to the PC (with wireless system);
- immediate Non Conformity notification;
- Non Conformities management according to the ISO standards.

* **Mean Kinetic Temperature:** international standard formula per evaluation of the temperature curves in dynamic processes that considers also biological characteristics of the monitored goods.

Technical Features



The **TempStick®** is available also in the Probe version, with external sensor in food grade material.

TempStick®	
Size	50 X 22 X 10 mm
Temperature range	-30 °C ÷ +65 °C
Resolution	0,03 °C
Accuracy	+/- 0,25 °C with calibration certificate; +/- 1 °C without calibration certificate (post production data without calibration)
N° acquisitions	2730
Acquisition interval	From 1 per minute to 1 every 255 minutes
Battery life	10 years or 3.000.000 acquisitions
Mission length	From 1 day and 21 hours with 1 acquisition per minute to up to 483 days with 1 every 255 minutes
Protection degree	IP67



FLI	
Size	6,8 X 11 X 2,7 cm
N° missions in memory	300
Battery	2 AA 1,5 V batteries
Battery life	2 years
Connections	USB, TempStick®
Features	Display, actual temperature displayed, one button to start and download missions, MKT calculation



TempStick Radio / Radio Node + Intelligent Sensor	
Size	6,5 X 5 X 4,5 cm
Temperature Range (Unit / Sensor)	-20 °C ÷ +60 °C / -40 °C ÷ +90 °C (other ranges available)
Temperature Resolution / Accuracy	0,03 °C ±0,25 °C with calibration certificate
Humidity Range (Intelligent Sensor only)	0% ÷ 100% RH
Humidity Resolution / Accuracy	0,1% RH / ±3% RH
Transmission interval	From 1 reading every second up
Battery (Radio)	Factory replaceable
Autonomy	More than 500.000 acquisitions/transmissions



WTMC Receiver	
Size	13 X 13 X 3,5 cm
Display	Internal display for configuration by the operator
Acquisition rate	From 1 every 5 seconds up, steps of 1 second
Connections	- 433 MHz Radio connection - Ethernet connection for communication with the PC
N. of sensors	Receives up to 32 sensors
Radio transmission range	250 meters in open space; in closed environment depends on obstacles
Accessories	AC 9-12 V power supply and Ethernet cable included



FridgeLog Software	
Operating Systems	Windows 2000, XP, Vista
Data management	Database organized on branches, fridges and data loggers (each one with its unique serial number)
Protections	Multi-user and multi-level software (administrator and standard users)
Data display	Graph (with zoom) and table (exportable into Excel) and report of all the data printing
Parameters	Temperature and Humidity thresholds of correct conservation can be set
MKT	Mean Kinetic Temperature formula implementation for evaluation of the recorded data
Quality management	<u>Non Conformities</u> and linked <u>Corrective Actions</u> filling, according to <u>ISO</u> standards
Data sharing	Data shared with other users and branches and the administrator of the central network
Languages	English, Italian, German



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UNI EN ISO 9001:2008 certified for Firmware and Software development