

# TEMPSTICK, TEMPSTICK PROBE, TEMPSTICK SQUARE

Miniaturized temperature data logger for fridges, cells, incubators, warehouses and transports

The ideal data logger for a safe, accurate monitoring through quick and easy solutions thanks to the wide range of choice of software and interfaces available, designed for specific applications.

## System

Data loggers can be used with two different software:

- **MTT**, with TecnoStick Interface or SRI (portable interface), for an easy and quick monitoring: start the devices, do your monitoring mission, download data and analyse them. For transports and more;
- **FridgeLog**, with FLI portable interface, for continuous monitoring of fridges, warehouses, supermarkets, laboratories.

In both software analysis is made using the **MKT** formula.

## Versions

There are 3 available versions:

- **Standard**: TempStick with internal temperature sensor;
- **Probe**: TempStick with external sensor with cable stainless steel AISI food grade probe, submersible; rounded or pointed probe of 30 or 80 mm. **High response time**;
- **Square**: two channels TempStick, with internal and external sensor, with cable and probe. For environment and product's core monitoring and double curve analysis.

For TempStick **Standard** and **Probe** the **stand by function** is enabled: start the logger and then, using the metallic clip, set it to a stand by status. In this way you can send many pre-programmed loggers to the sender of the products without providing him with the software and the interface. Before sending the goods he will just have to remove the clip to start the acquisitions.

## Applications

- Monitoring of temperature controlled transports.
- Warehouses mapping and monitoring.
- Supermarkets monitoring (fridges, ovens and fridge cells).
- Monitoring of laboratory of analysis (fridges, freezers, incubators).
- Environment mapping and monitoring (buildings, houses).

## Pro

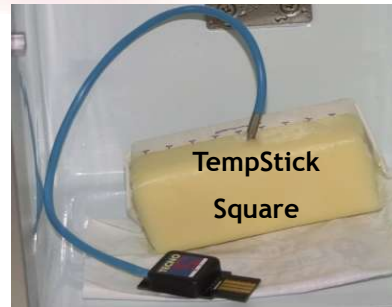
- High accuracy and precision.
- Easy to use with SRI and FLI portable interfaces.
- External probe to reach core temperature.
- Compliant with **HACCP** and **EN12830** regulations.
- MKT formula implemented, for quick data analysis, also on SRI and FLI.
- Provided with **calibration certificate** SIT traceable (on demand).
- Can be calibrated at **low temperatures (below -80°C)**.
- Long life battery.



TempStick



TempStick  
Probe



TempStick  
Square



TempStick  
in Stand By mode

metallic clip

**TempStick  
ready for shipment**

Remove the metallic clip to start acquisition according to the parameters programmed



Fields of application



Healthcare



Pharma



Dentists



Food



Laboratory



Transports

Interface  
Communication

USB





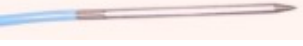
## Technical features

Model	Standard	Probe	Square
Dimensions	50 X 22 X 10 hh (mm)		
Probe	cable BU, WH, TF, 30 cm standard length, probe 30 or 80 mm, diameter 4 mm, rounded or pointed		
Probe material	AISI316L stainless steel (food grade)		
Temperature range	-30 °C ÷ +65 °C	-40 °C ÷ +90 °C -80 °C ÷ +200 °C (ask)	-30 °C ÷ +65 °C
Temperature resolution	0,03 °C		
Temperature accuracy	± 0,25 °C with calibration certificate / ± 1 °C without calibration certificate		
N. of acquisitions	2.730	2.730	1.365
Acquisition step	From 1 every minute up to 1 every 255 minutes		
Battery	10 years or 3 millions of acquisitions		
Protection degree	IP67		
Communications	TecnoStick Interface, SRI, FLI		TecnoStick Interface





## Software

Type	MTT	FridgeLog
Operating systems	Windows 2000, XP, Vista, 7 (32)	Windows 2000, XP, Vista, 7 (32 and 64 bit)
Data management	Missions sorted by starting date and logger serial number	Continuous monitoring sorted by monitoring point with data append
Data analysis	Graph (with zoom) and table (exportable into Excel) and report printing with all data	
MKT and Parameters	<u>Automatic calculation of the MKT</u> and possibility to set thresholds and validity criteria	
Languages	Italian, English, French, Spanish	Italian, English

## External probes for TempStick Probe and TempStick Square

	Code	Description	Available probes
	02	AISI stainless steel probe with handle, 28 cm	BL
	03	AISI stainless steel probe, rounded, 30 mm	BU, WH, TF
	04	AISI stainless steel probe, rounded, 80 mm	BU, WH, TF
	05	AISI stainless steel probe, pointed, 30 mm	BU, WH, TF
	06	AISI stainless steel probe, pointed, 80 mm	BU, WH, TF

## Cable types

	Code	Description	Available sensors
	BL	Black rubber cable, max 2 metres	02
	BU	food grade rubber blue cable, 30 cm standard	03, 04, 05, 06, 07
	WH	Teflon food grade cable for temperatures from -80°C to 200°C according to requested device; 1,2 mm diameter, 30 cm standard	03, 04, 05, 06, 07
	TF	Teflon food grade cable for temperatures from -80°C to 200°C according to requested device; 2 mm diameter, 30 cm standard	03, 04, 05, 06, 07



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Product Code:  
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ts01tspaxxyy,  
ts01ts2buyy,  
ts01tsp200xyyy