TempUSB

USB temperature, with display, external probe and high accuracy also

The system

TempUSB is a series of data temperature loggers directly connected to the PC USB port to be programmed and downloaded. Using the DGraph software, downloadable from Tecnosoft website ww.tecnosoft.eu, it is possible to display data, analyse them, print reports and export them in excel and other formats. There are several models of the logger, with and without display, with standard or high accuracy. Each logger has status and battery LEDs and a button to start acquisitions. **Battery is user replaceable.**

CE IP66

Applications

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

Pro

- High resolution and accuracy.
- Small and easy to use.
- Possibility of external probe sensor (2 meters cable).
- **HACCP** and **EN12830** regulations complaint.
- Provided with **verification of calibration certificate** Accredia (NIST equivalent) traceable (on demand).
- **Status LEDs and start buttons** (alarm limits customizable).
- **Multi-Graph** display on the software.
- **Display** version too.
- Long battery life.
- Mounting brackets included.

Technical Data

Model	TempUSB	TempUSB-L	TempUSB-LE	TempUSB-HL	TempUSB-HLE
Dimensions	120 X 37 X 23 (mm)				
Material and weight	ABS, TPU, PC; 90 gr. (may vary according to models)				
LCD display		✓	✓		✓
External probe			✓		✓
Temperature range logger	-35 ˚C ÷ +80 ˚C (best conservation range 10 ˚C ÷ +50 ˚C and 20% ÷ 60% RH)				
Temperature range probe			-40 ˚C ÷ +125 ˚C		-40 ˚C ÷ +125 ˚C
Temperature resolution	0,1 ˚C				
Temperature accuracy	± 0,5 ˚C (vd. Figura 1)			± 0,2 ˚C	
Number of acquisitions	32.000				
Acquisition rate	From 1 every 2 seconds to 1 every 12 hours				
Starting method	Immediate, with starting button and on fixed time and date				
Stopping method	When memory is full (circular memory activable), after a number of acquisitions, manual via software				
Acquisition method	Immediate (default), average, maximum and minimum				
Button	Can be set for start or alarms reset				
LEDS	Red and Green: logger's status (delay, out of limits, stopped) Yellow: low battery				
Alarms	Customizable limits for minimum and maximum				
Protection degree	IP66				
Battery life	½ AA 3,6V Lithium (**user replaceable**) Nearly 2 years with 1 minute acquisition rhythm Nearly 4 years with 10 minutes acquisition rhythm				
Communications	USB (Driver 32, 64 bit included in the software CD)				
Accessories	Wall mounting brackets included (see Figure 2)				

Software

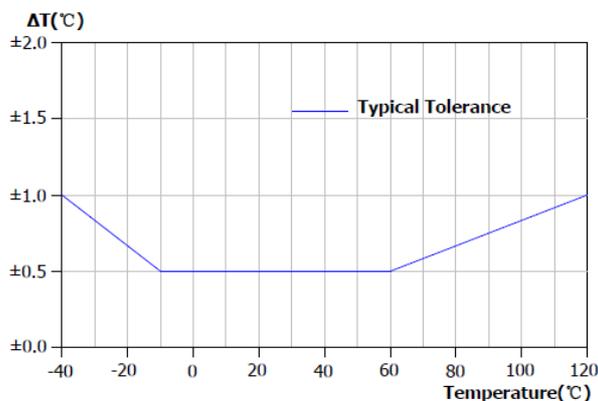| Operating systems	Windows XP, Vista, 7, 8 (32, 64 bit)
Data management	Data saved in customizable folders
Data analysis	Graph (with zoom) and table, with statistics
Data export	Data exported in several formats: xls, csv, xsl, bmp, jpg
Languages	English

Figura 1

Figura 2

Standard kit includes: 1 logger of the chosen model, quickstart guide, 1 battery, software, mounting brackets

TO ORDER

Product's code:
TS17UT/TS17UL/TS17ULE
TS17UTHL/TS17UTHLE

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