

TEMP1000FP

RUGGED TEMPERATURE DATA LOGGER

WITH 10.8" FLEXIBLE PROBE



Features

- Flexible temperature probe
- Extended temperature range
- Rugged
- Reusable
- Submersible
- Programmable start time
- Real-time operation
- N.I.S.T. traceable
- User-friendly
- Low cost
- CE compliant

Benefits

- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

Applications

- Implement HACCP programs
- Autoclave verification
- Food preparation and processing
- Environmental studies
- Well monitoring
- Dishwasher testing
- Hostile environment monitoring
- Medical and Pharmaceutical



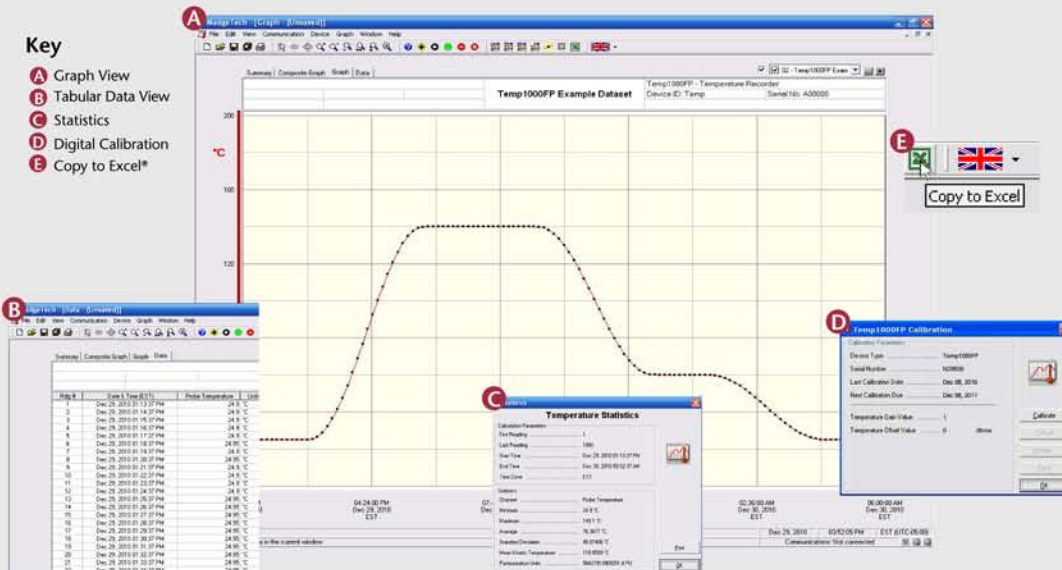
* The minimum bending radius of the probe is 2", bending only once. Avoid bending the probe anywhere along it's first 2.5" from the tip.

The Temp1000FP temperature logger is a rugged, submersible, battery powered, stand alone device which can be used to automatically record temperatures between -40 and 150°C . This all in one compact, portable, easy to use device is able to measure and record up to 32,767 temperature measurements. The Temp1000FP features a 10.8" flexible external probe and is ideal for use in harsh environments. Its real time clock ensures that all the data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The Temp1000FP makes data retrieval quick and easy. Simply plug the device into an empty COM or USB port and our user-friendly software does the rest.

DATA LOGGER SOFTWARE

Key

- A Graph View
- B Tabular Data View
- C Statistics
- D Digital Calibration
- E Copy to Excel*



Software Features:

- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F_0 , PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

TEMP1000FP SPECIFICATIONS*

Temperature Sensor: 100Ω Platinum RTD

Temperature Range: -40 to +150°C

Probe Range: -50 to +400°C

Temperature Resolution: 0.05°C

Calibrated Accuracy: ±0.5°C

Specified Accuracy Range: 100°C span between calibration points

Start Modes: Software programmable immediate start or delay start, up to six months in advance

Real Time Recording: May be used with PC to monitor and record data in real time

Memory: 32,767 readings

Reading Rate: 1 reading every 2 seconds to 1 every 12 hours

Lethality Equations: Sterilization Units and Pasteurization Units are available in software with the click of a button.

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Battery Type: 3.6V high-temperature lithium battery included, **user replaceable**

Battery Life: 1 year typical (1 minute reading rate @ 25°C)

Data Format: Date and time stamped °C, °F, K, °R

Time Accuracy: ±1 minute/month at 20°C (RS232 cable not in use)

Computer Interface: PC serial or USB (Interface cable required); 2,400 baud

Software: XP SP3/Vista/Windows 7

Operating Environment: -40 to +150°C, 0 to 100%RH, submersible to 150'

Dimensions (Body): 5.7" x 1.25" dia. (145mm x 32mm)

Dimensions (Probe): 10.8" x 0.125" dia. (275mm x 4mm)

Enclosure: 303 stainless steel

Weight: 11.3 oz (320 g)

Approvals: CE

BATTERY WARNING: WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, CRUSH, PENETRATE, OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 150°C (302°F).

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY.

ORDERING INFORMATION

MODEL	DESCRIPTION
TEMP1000FP	Rugged Temperature Recorder with 10.8" Flexible Probe
IFC200	Software, manual and USB interface cable
	N.I.S.T. Traceable Calibration Certificate

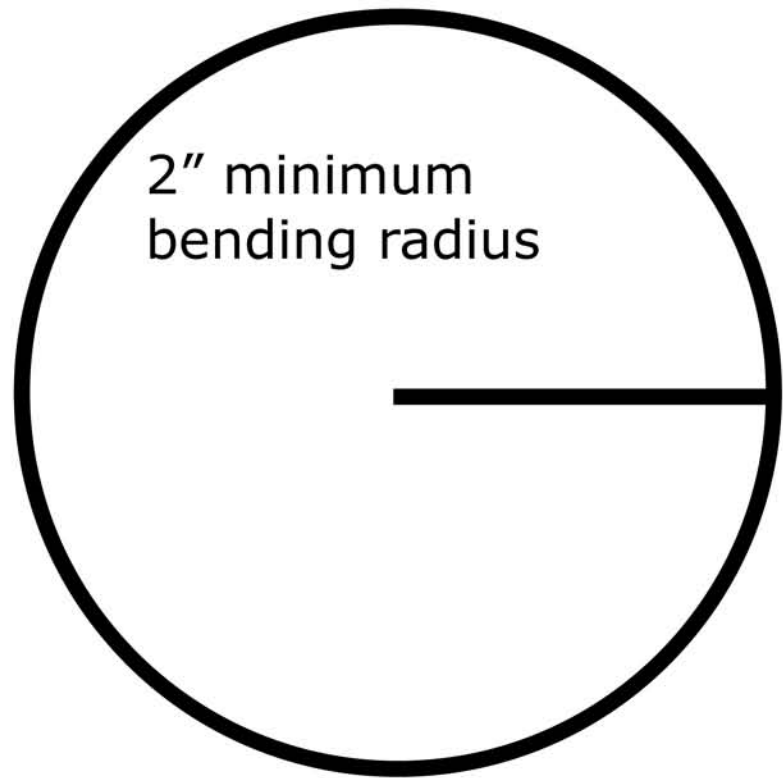
PTC Metrology™ is accredited by A2LA to ISO/IEC 17025 and ANSI/NCCL Z5401 N.I.S.T. traceable certificate available. For information go to www.ptcmetrology.com
 To order by phone, call toll free 1+ 877.782.2329 or email: sales@ptc1.com
 Order on-line www.ptcinstruments.com or www.ptc1.com

ASK ABOUT
OUR OTHER
DATA
LOGGERS

Temperature
Humidity
Pressure
pH
Level
Shock
LCD Display
Pulse/Event/State
Current
Voltage
Wireless
Intrinsically Safe
Spectral Vibration
Motion

The minimum bending radius of the probe is 2", bending only once. Avoid bending the probe anywhere along its first 2.5" from the tip.

* Using an object with a 2" radius or larger, such as a coffee can, 1 quart paint can or a piece of 2" PVC pipe has proven to be a helpful guideline for bending the probe.



2.5" from tip cannot be bent

Here is an example of a probe that has been bent beyond the suggested bending radius.

