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

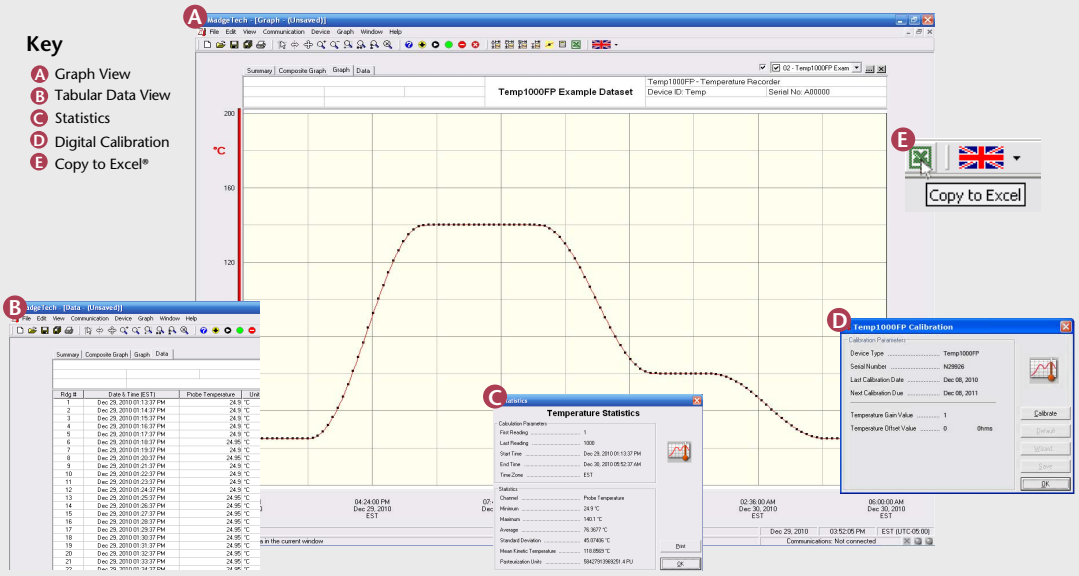
Applications

- 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.

MADGETECH DATA LOGGER SOFTWARE



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

879 Maple Street · Contoocook, NH 03229
PO Box 50 · Warner, NH 03278 · Phone: (603) 456-2011 · Fax: (603) 456-2012

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. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

ORDERING INFORMATION

MODEL	DESCRIPTION	PRICE (U.S.)
TEMP1000FP	Rugged Temperature Recorder with 10.8" Flexible Probe	$499.00
IFC110	Software, manual and RS232 interface cable	$99.00
IFC200	Software, manual and USB interface cable	$119.00
***NIST**	N.I.S.T. Calibration Certificate	$60.00
BAT-ER14255-PM	Replacement battery for Temp1000FP	$99.00

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

For Quantity Discounts call 603-456-2011 or email sales@madgetech.com

*To order the product with the N.I.S.T. certificate add *-CERT* to the end of the part number and add $60.00 to the price.

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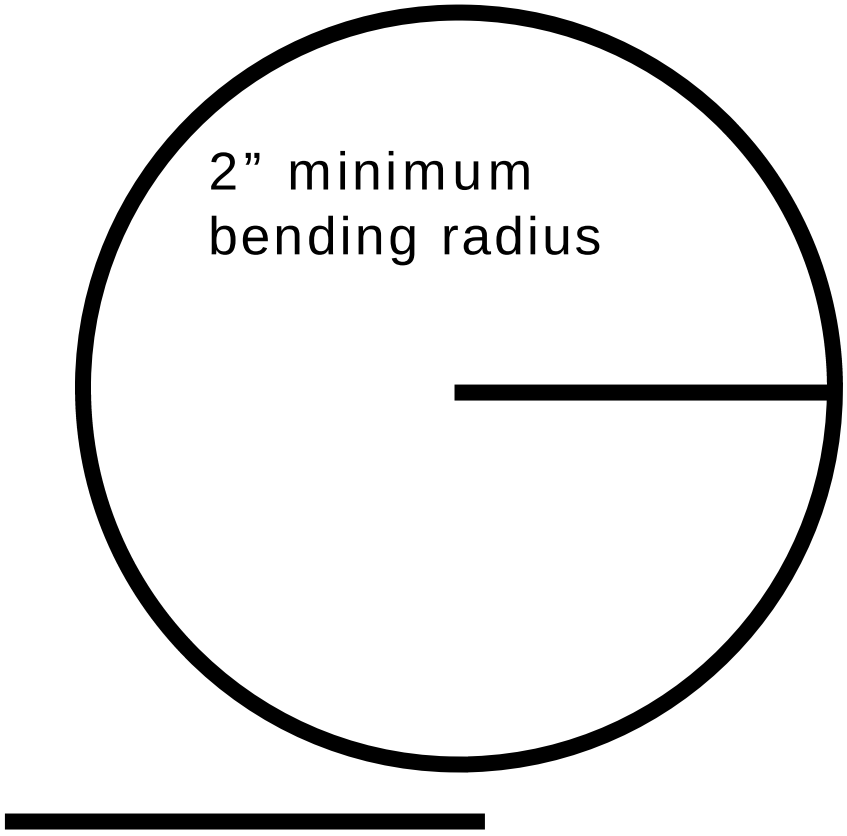
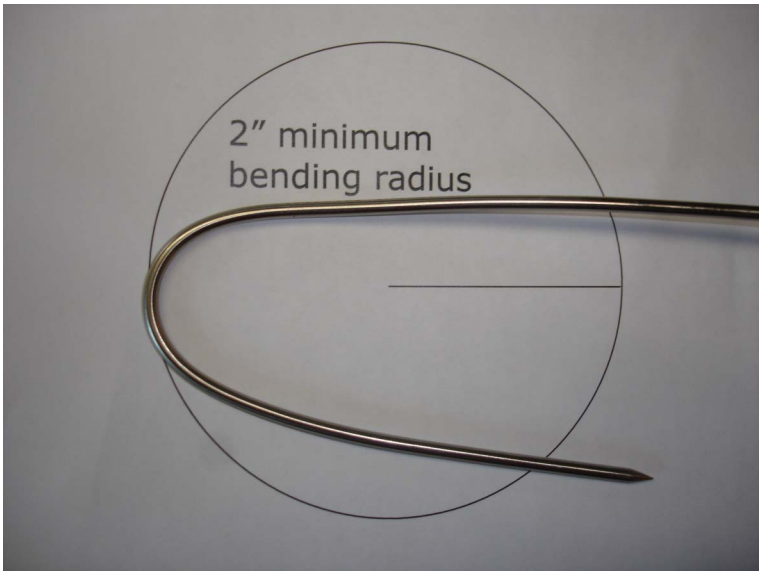
TEMP1000FP TEST PATTERNS

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.

* 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.



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



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