TEMP1000S

RUGGED TEMPERATURE DATA LOGGER WITH 1″ PROBE

Features

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

Benefits

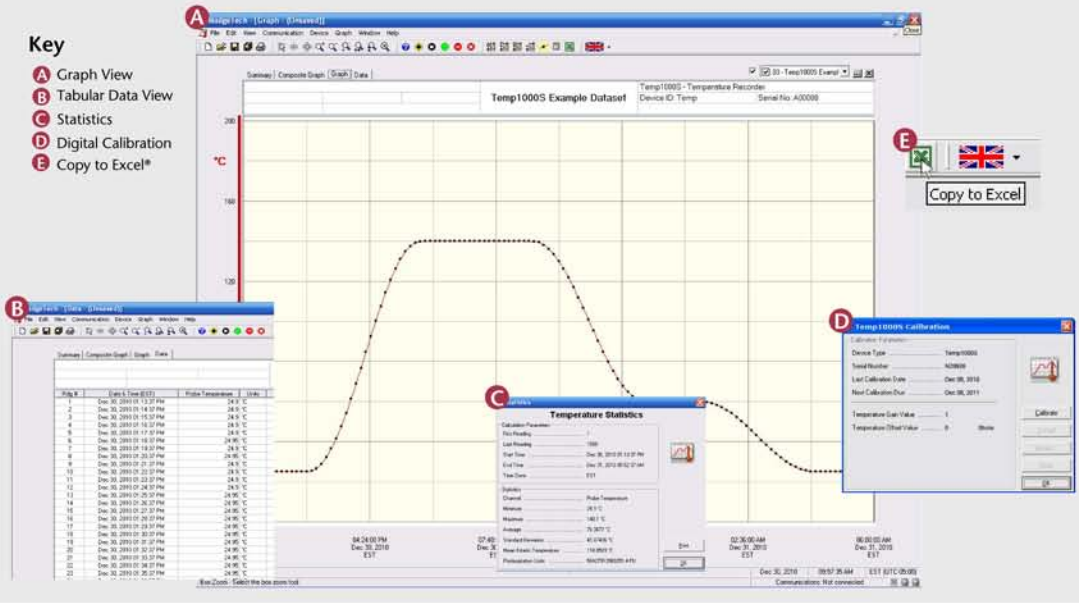
- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

Applications

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

The Temp1000S 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 Temp1000S features a 1″ rigid 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 Temp1000S 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



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

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TEMP1000S SPECIFICATIONS*

Temperature Sensor:	100Ω Platinum RTD
Temperature Range:	-40 to +150°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 lithium battery included, **user replaceable**
Battery Life:	1 year typical (1 minute reading rate at 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 +125°C, 0%RH to 100%RH, submersible to 150′
Body Dimensions:	4.8" x 1.0" dia. (122mm x 26mm dia.)
Probe Dimensions:	1.0″ x 3/16″ dia. (26mm x 5 mm dia.)
Enclosure:	303 stainless steel
Weight:	8 oz (225 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
TEMP1000S	Rugged Temperature Recorder with 1″ 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/NCSL 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