

TEMP1000IS

INTRINSICALLY SAFE TEMPERATURE DATA LOGGER



Features

- Intrinsically Safe
- Rugged
- Reusable
- Programmable Start Time
- Real-time Operation
- N.I.S.T. Traceable
- User-friendly
- Low Cost
- NEMA 4X, 6P
- CE Compliant

Benefits

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

Applications

- EtO Sterilization
- Implement HACCP Programs
- Food Preparation and Processing
- Environmental Studies
- Well Monitoring
- Dishwasher Testing
- Hazardous and Hostile Environment Monitoring
- Medical and Pharmaceutical

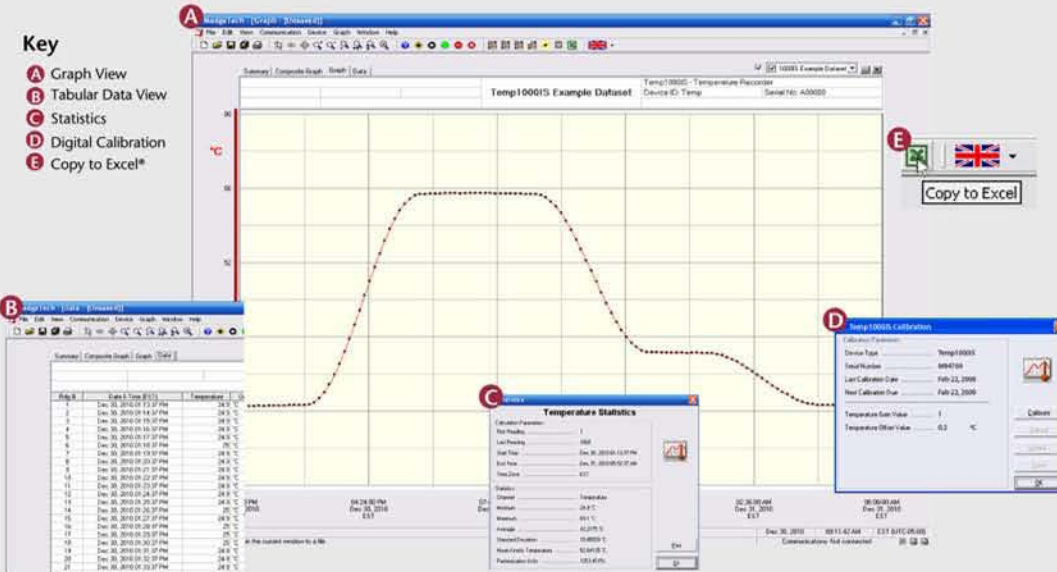


The Temp1000IS temperature logger is a rugged, submersible (NEMA 6P), battery powered, stand alone device which can be used to automatically record temperatures between -40 and 80°C . This all in one compact, portable, easy to use device is able to measure and record up to 32,767 temperature measurements. The Temp1000IS has been Factory Mutual certified as intrinsically safe for Class I, Division 1, groups A, B, C and D and non-incendive for Class I, Division 2, groups A, B, C and D hazardous environments. This certification makes the device ideal for uses such as EtO sterilization, environmental studies and numerous other hostile environment applications. 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 Temp1000IS 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

TEMP1000IS SPECIFICATIONS*

Temperature Sensor: Semiconductor

Temperature Range: -40 to +80°C

Temperature Resolution: 0.1°C

Calibrated Accuracy: ±0.5°C (0 to +50°C)

Memory: 32,767 readings

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 (PC interface not IS rated)

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 at 25°C, 1 minute reading intervals

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

Time Accuracy: ±1 minute/month at 20°C (RS232 port 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 +80°C, 0 to 100%RH (case properly sealed)

Dimensions: 4.3" X 1.0" dia.(110mm x 26mm dia.)

Weight (Aluminum) : 4 oz (110 g)

Weight (Stainless) : 8 oz (230 g)

Materials: Available in Anodized Aluminum or 303 Stainless Steel

Approvals: IS, CE, Approved for carriage on Delta® mainline flights

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 80°C (176°F).

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

ORDERING INFORMATION

MODEL	DESCRIPTION
TEMP1000IS	Intrinsically Safe Temperature Recorder, aluminum enclosure
TEMP1000IS-SS	Intrinsically Safe Temperature Recorder, stainless steel enclosure
IFC 200	Software, manual and USB Interface cable
TL-2150	Replacement battery for Temp 1000IS
SVP-Secure	Protocols for validating the 21 CFR Part 11 ready, secure data logging system
SVP-Secure License	License for MadgeTech SVP-Secure Software (unlimited users, license per computer)
*NIST	N.I.S.T. Calibration Certificate

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

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