TEMP1000IS
INTRINSICALLY SAFE TEMPERATURE DATA LOGGER

MADGE TECH
WE BUILD DATA LOGGERS

Features

- Intrinsically Safe
- Rugged
- Reusable
- Programmable Start Time
- Stainless Steel Enclosure
- NIST Traceable
- User-friendly
- Low Cost
- 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
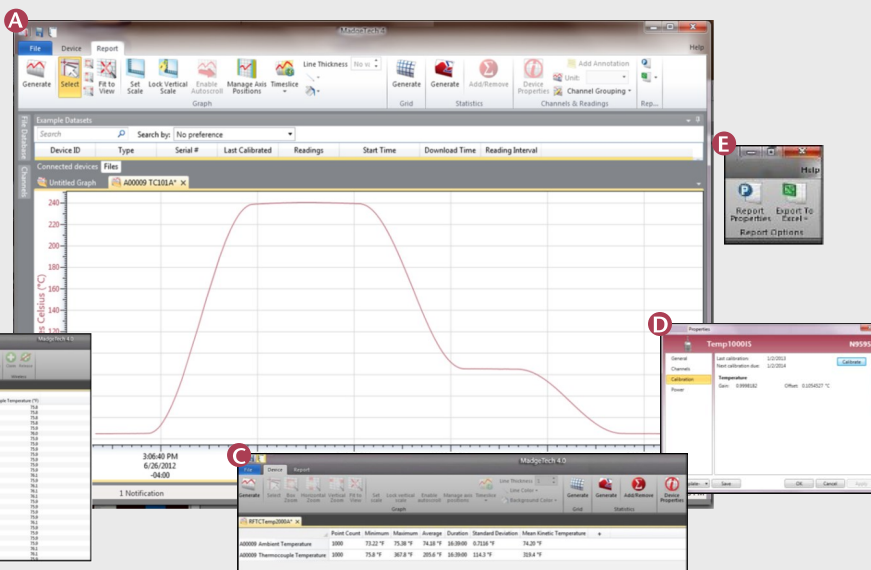- Medical and Pharmaceutical

The Temp1000IS temperature logger is a rugged, battery powered, stand alone device which can be used to automatically record temperatures between -20 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 place the device into an IFC400 series docking station and our user-friendly software does the rest.

MADGETECH 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:	Resistance Temperature Detector (RTD)
Temperature Range:	-20 to +80°C
Temperature Resolution:	0.01°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 2 years 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
IP:	IP30

Battery Type:	3.6V lithium battery included, **user replaceable**
Battery Life:	2 years typical at 15 minute reading rate
Data Format:	Date and time stamped °C, °F, K, °R
Time Accuracy:	±1 minute/month at 20°C
Required Interface Package:	IFC400
Software:	XP SP3/Vista/Windows 7/Windows 8
Operating Environment:	-20 to +80°C, 0 to 95%RH (case properly sealed)
Dimensions:	2.0" X 1.0" dia.(50.8mm x 25.4mm dia.)
Weight:	3oz (85g)
Materials:	316 Stainless Steel
Approvals:	IS, 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 80ºC (176ºF).*

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

ORDERING INFORMATION

MODEL	DESCRIPTION
TEMP1000IS	Intrinsically Safe Temperature Data Logger
IFC400	USB interface cable package with docking station.
***NIST**	NIST Calibration Certificate
TL-2150	Replacement battery for Temp1000IS
SVP-Secure License	License for MadgeTech SVP-Secure Software (unlimited users, license per computer)

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

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