HITEMP150
EXTENDED RANGE TEMPERATURE DATA LOGGER

MADGETECH
WE BUILD DATA LOGGERS

Features

- Extended temperature range
- Rugged
- Reusable
- Submersible
- Programmable start time
- Real-time operation
- NIST traceable
- User-friendly
- Low cost

Benefits

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

Applications

- Autoclave Verification
- Medical/Pharmaceutical
- Implement HACCP Programs
- Food preparation and processing
- Environmental studies
- Well monitoring
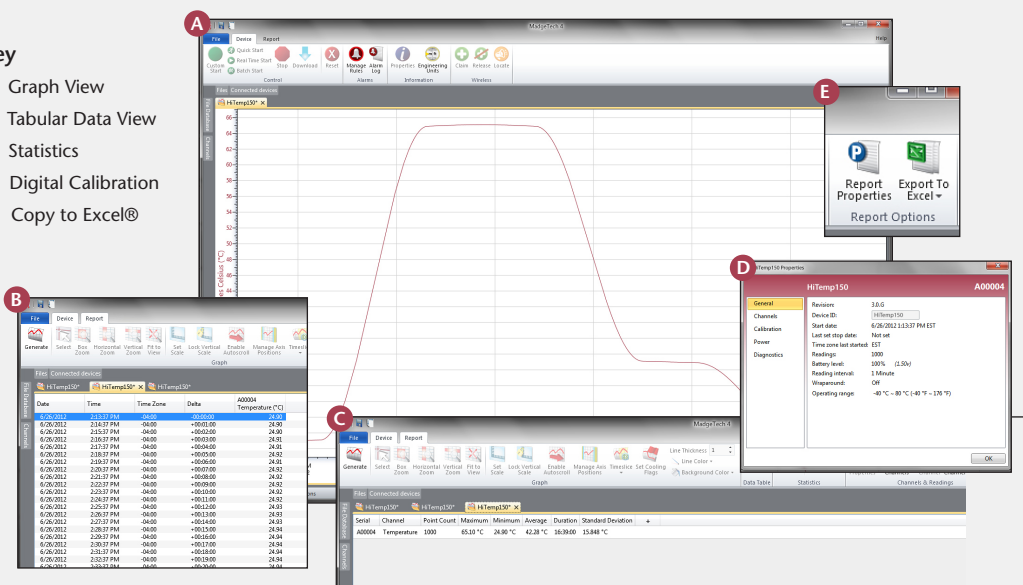- Dishwasher testing
- Hostile environment monitoring

The HiTemp150 temperature logger is a rugged, submersible, battery powered, stand alone device which can be used to automatically record temperatures between –200 °C and 260 °C. This all in one compact, portable, easy to use device is able to measure and record up to 32,767 temperature measurements. The HiTemp150 features a 2 inch rigid external probe◇ with fast response time to ensure accurate temperature readings 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 nonvolatile 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 HiTemp150 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

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 (F0, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

HITEMP150 SPECIFICATIONS*

Temperature Sensor:	100 Ω Platinum RTD
Probe Measurement Range:	-200 °C to +260 °C
Temperature Resolution:	0.05 °C
Calibrated Accuracy:	±0.5 °C
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 second up to 1 reading every 12 hours.
*Battery Type:	3.6V high-temperature lithium battery included *Must be sent to MadgeTech for battery replacement.
Battery Life*:	1 year typical (1 minute reading rate @ 25 °C)

Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
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/Windows 8
Operating Environment:	-40 °C to +150 °C, 0 %RH to 100 %RH
Dimensions (Body):	1.1 in x 1.75 in dia. (28 mm x 45 mm dia.)
Dimensions (Probe):	2.0 in x 3/16 in dia. (50 mm x 5 mm dia.)
	◇Other probes available
Weight:	8 oz (225 g)
Material:	316 Stainless Steel
Approvals:	CE

BATTERY 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.)
HITEMP150	Extended Range Temperature Recorder	$549.00
IFC110	Software, manual and RS232 interface cable	$99.00
IFC200	Software, manual and USB interface cable	$119.00
SVP –Secure	Protocols for validating the 21 CFR Part 11 ready, secure data logging system	$600.00
SVP-Secure License	License for MadgeTech SVP-Secure Software (unlimited users, license per computer)	$1000.00
*NIST	NIST Calibration Certificate	$60.00

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 NIST certificate add -CERT to the end of the part number and add $60.00 to the price.

MadgeTech
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