

HITEMP150FP-TSK

HITEMP150 DATA LOGGER WITH FLEXIBLE PROBE AND THERMAL SHIELD



Features

- Small diameter (2.6")
- Can withstand temperatures up to 250 °C (482 °F)

Benefits

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

Applications

- Food processing
- Meat processing
- Extreme temperature monitoring
- Conveyor ovens



The HiTemp150FP-TSK is a kit that includes a HiTemp150FP data logger and thermal shield. This durable system can withstand temperatures up to 250 °C (482 °F) (non-condensing).

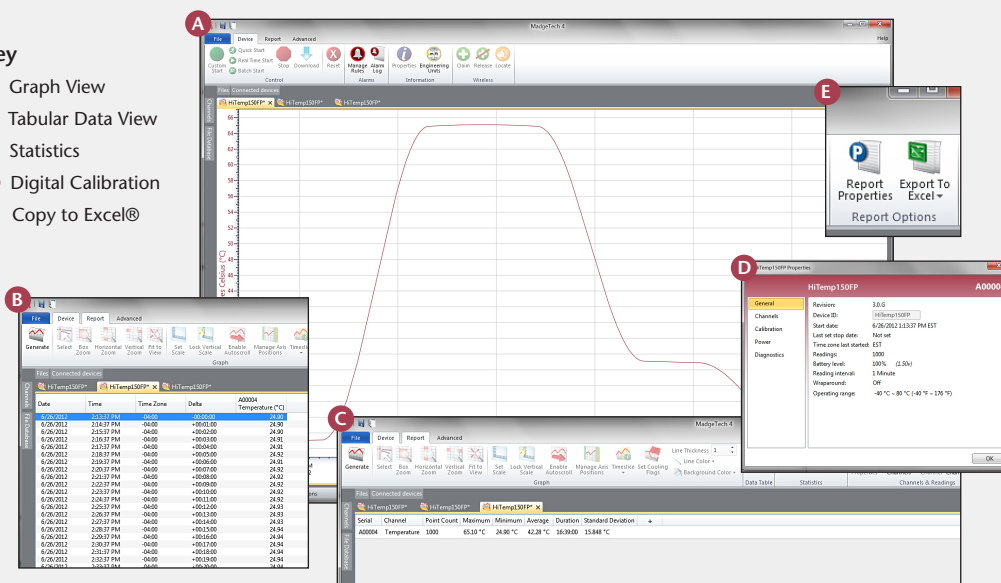
The device is easy to use, simply activate the logger and place in the monitoring area. When monitoring is complete, data can be downloaded to a computer for analysis and record keeping.

The HiTemp150FP-TSK is built for applications that require extreme temperature monitoring, such as with food and meat processing. It can be run through the entire cooking and cooling process to provide a thorough temperature profile for analysis.

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

HITEMP150FP SPECIFICATIONS*

*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.

| | |
|---------------------------------|-------------------------------------------------------------------------------------------------------|
| Temperature Sensor: | 100Ω Platinum RTD |
| Probe Measurement Range: | -40 °C to +260 °C |
| Temperature Resolution: | 0.05 °C |
| Calibrated Accuracy: | ±0.5 °C (Over 100 °C span) |
| Start Modes: | Software programmable immediate start/delay start up to 6 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 second up to once every 12 hours |
| Lethality Equations: | Sterilization unit and Pasteurization units are available in the software with a click of a button. |
| Calibration: | Digital calibration through software |
| Calibration Date: | Automatically recorded in the device |
| Battery Type: | 3.6V high-temperature lithium battery included *Must be sent to MadgeTech for battery replacement. |
| Battery Life: | 1 yr typical (1 min. 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/Windows 8 |
| Operating Environment: | -40 °C to +150 °C; 0-95% RH **non-condensing |
| Dimensions (Body): | 1.1" x 1.75" dia. (28 mm x 45 mm dia.) |
| Dimensions (Cable*): | 2.0' x .14" dia. (610 mm x 4 mm dia.) |
| Dimensions (Probe Handle): | 1½" x 3/8" dia. (39 mm x 10 mm dia.) |
| Dimensions (Probe): | 4" x 1/8" dia. (102 mm x 4 mm dia.) (Other Probe lengths available upon request) |
| Material (Body & Probe): | 316 Stainless Steel |
| Material (Cable): | TEFLON® |
| Weight: | 9 oz (255 g) |
| Approvals: | CE |

**The HiTemp150-FP-TSK is not intended for wet or submersible applications

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVERDISCHARGE, DISASSEMBLE, CRUSH, PENETRATE OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 150 °C (302 °F).

HITEMP150FP-TSK SPECIFICATIONS*

| | |
|-------------------------------|---------------------------------------------------------------------|
| Operating Environment: | -40 °C to +250 °C (-40 °F to +482 °F) (Time limited) 0 to 95% RH |
| Dimensions: | 2.1" x 2.6" dia. 53.34 mm x 66 mm dia. |
| Weight: | 19.4 oz |

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| Ambient Temperature | Time In Air To Max Internal Temp (150 °C/302 °F) |
|---------------------------------------|--------------------------------------------------|
| -40 °C to +150 °C (-40 °F to +302 °F) | Indefinitely |
| 160 °C (320 °F) | 75 mins |
| 170 °C (338 °F) | 63 mins |
| 180 °C (356 °F) | 55 mins |
| 190 °C (374 °F) | 50 mins |
| 200 °C (392 °F) | 45 mins |
| 210 °C (410 °F) | 42 mins |
| 220 °C (428 °F) | 39 mins |
| 230 °C (446 °F) | 36 mins |
| 240 °C (464 °F) | 34 mins |
| 250 °C (482 °F) | 32 mins |

ORDERING INFORMATION

| MODEL | DESCRIPTION | PRICE (U.S.) |
|--------------------|-----------------------------------------------------------------------------------|--------------|
| HITEMP150FP-TSK | HiTemp150FP with Thermal Shield | \$549.00 |
| IFC110 | Software, manual and RS232 interface cable | \$99.00 |
| IFC200 | Software, manual and USB interface cable | \$119.00 |
| *NIST | NIST Calibration Certificate | \$60.00 |
| 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 |

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.