

HITEMP150FP-TSK

HITEMP150FP DATA LOGGER WITH THERMAL SHIELD

Features

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

Applications

- Food processing
- Meat processing
- Autoclave validation
- Extreme temperature monitoring
- Conveyer 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).

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.

HITEMP150-TS SPECIFICATIONS (THERMAL SHIELD)*

Operating Environment: -200 to +250°C (-328 to +482°F)
 (Time limited)
 0 to 100% RH

IP Rating: IP68

Dimensions: 2.1" x 2.6" dia.
 53.34mm x 66mm dia.

Weight: .65lb

Ambient Temperature	Time In Air To Max Internal Temp (150°C / 302°F)	Time In Liquid To Max Internal Temp (150°C / 302°F)
160°C (320°F)	75 mins	34 mins
170°C (338°F)	63 mins	29 mins
180°C (356°F)	55 mins	26 mins
190°C (374°F)	50 mins	23 mins
200°C (392°F)	45 mins	21 mins
210°C (410°F)	42 mins	19 mins
220°C (428°F)	39 mins	18 mins
230°C (446°F)	36 mins	17 mins
240°C (464°F)	34 mins	16 mins
250°C (482°F)	32 mins	15 mins

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

See page 2 for HiTemp150FP specifications.

HITEMP150FP SPECIFICATIONS*

Temperature Sensor: 100Ω Platinum RTD	Data Format: Date and time stamped °C, °F, K, °R
Temperature Range: -40 to +150°C	Time Accuracy: ±1 minute/month at 20°C (RS232 cable not in use)
Temperature Resolution: 0.05°C	Computer Interface: PC serial or USB (interface cable required); 2,400 baud
Calibrated Accuracy: ±0.5°C (Over 100°C span)	Software: XP SP3/Vista/Windows 7
Start Modes: Software programmable immediate start or delay start up to six months in advance	Operating Environment: -40 to +150°C, 0 to 100% RH
Real Time Recording: May be used with PC to monitor and record data in real time	Dimensions (Body): 1.1" x 1.75" dia. (28mm x 45mm dia.)
Memory: 32,767 readings	Dimensions (Cable*): 2.0' x .14" dia. (610 mm x 4mm dia.)
Reading Rate: One second up to once every 12 hours.	Dimensions (Probe Handle): 1½" x 3/8" dia. (39mm x 10 mm dia.)
Lethality Equations: Sterilization unit and Pasteurization units are available in the software with a click of a button	Dimensions (Probe): 4" x 1/8" dia. (102mm x 4mm dia.) <i>(Other Probe lengths available upon request)</i>
Calibration: Digital calibration through software	Material (Body & Probe): 316 stainless steel
Calibration Date: Automatically recorded within device	Material (Cable): Silicone rubber
Battery Type: 3.9V high-temperature lithium battery included	Approvals: CE
Battery Life: 1 year typical (1 min. reading rate @ 25°C)	Weight: 9 oz (255 g)

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).

SOFTWARE FEATURES

Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series	Statistics: Calculate average, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Real-Time Recording: Collect and display data in real-time while continuing to log	Export Data: Export data in a variety of common formats, or switch to Excel® with a single click
Graphical Cursor: One click displays readings by time, value, parameter or sample number	Calibration: Automatically calculate and store calibration parameters
Data Table: Instantly access tabular view for detailed dates, times, values, and annotations	Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values	Printing: Automatically print graphical or tabular data
Formatting Options: Change colors, line styles, plotting options, show or hide channels quickly	

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

ORDERING INFORMATION

<u>Model</u>	<u>Description</u>	<u>Price (U.S.)</u>
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	N.I.S.T. Calibration Certificate	Call for Pricing
3B5700	Replacement battery for HiTemp150FP	\$99.00
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 RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration
LCD Display	

For Quantity Discounts call 603-456-2011 or email sales@madgetech.com



DOC-1197009-00 REV B 2010.06.28