

HITEMP150FP-TSK

HITEMP150 DATA LOGGER WITH FLEXIBLE PROBE AND THERMAL SHIELD



Features

- Small diameter (2.6 inches)
- 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

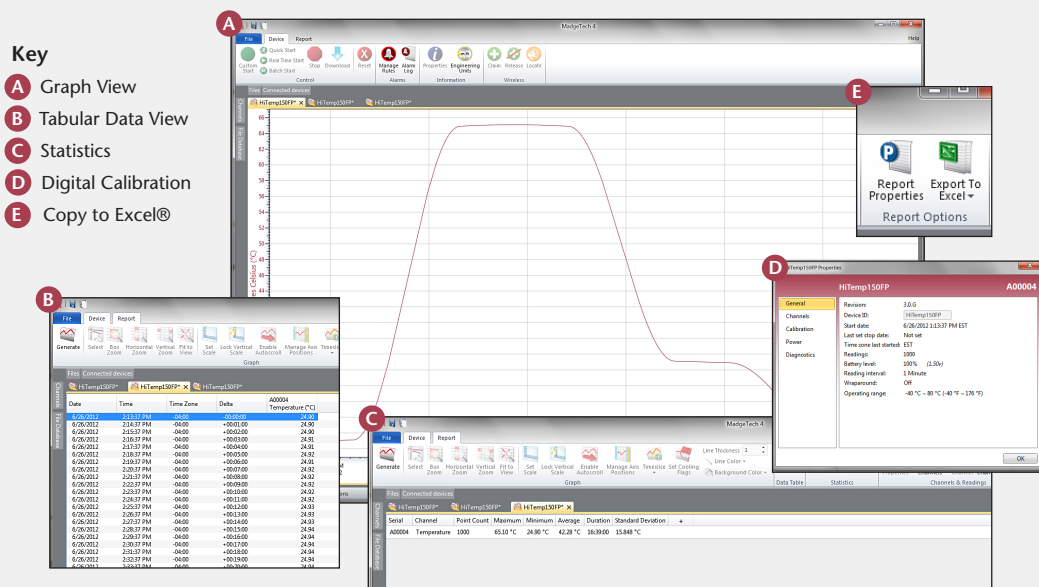


The HiTemp150FP-TSK is a kit that includes a HiTemp150FP data logger and thermal shield. This durable system can withstand temperatures up to 250 °C (482 °F) (non-condensing).

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



- 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:	100 Ω 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 reading every second up to 1 reading 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 %RH to 95 %RH **non-condensing
Dimensions (Body):	1.1 in x 1.75 in dia. (28 mm x 45 mm dia.)
Dimensions (Cable*):	2.0 ft x .14 in dia. (610 mm x 4 mm dia.)
Dimensions (Probe Handle):	1½ in x 3/8 in dia. (39 mm x 10 mm dia.)
Dimensions (Probe):	4 in x 1/8 in dia. (102 mm x 4 mm dia.) <i>(Other Probe lengths available upon request)</i>
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 %RH to 95 %RH
Dimensions:	2.1 in x 2.6 in 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	\$599.00
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
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- 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.

