

HITEMP150-TSK

HITEMP150 DATA LOGGER WITH THERMAL SHIELD



Features

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

Benefits

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

Applications

- Peanut roasting
- Extreme temperature monitoring
- Food processing
- Meat processing
- Autoclave validation
- Conveyor ovens



The HiTemp150-TSK is a kit that includes a HiTemp150 data logger and thermal shield. This durable system can withstand temperatures up to 250 °C (482 °F).

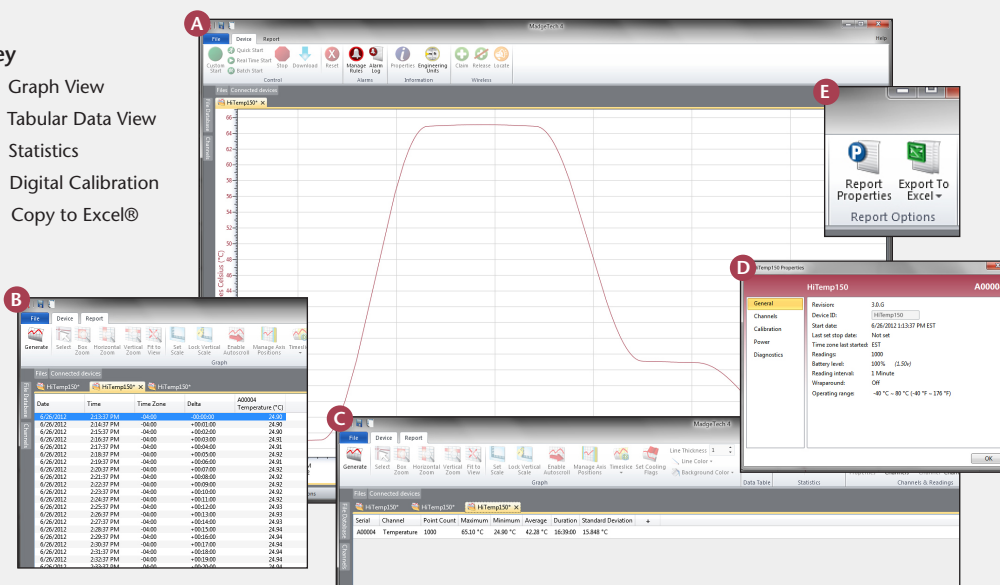
The device is easy to use, simply activate the logger, open the enclosure, insert the HiTemp150, thread the probe through the end cap and latch it back onto the barrier body. The system is then ready to use.

The HiTemp150-TSK is built for applications that require extreme temperature monitoring, such as peanut roasting and food processing.

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 (DATA LOGGER)*

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.) <i>Other probes available</i>
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 80 °C (176 °F).

HITEMP150-TSK SPECIFICATIONS*

Operating Environment:	-200 °C to +250 °C (-328 °F to +482 °F) Time limited, 0 %RH to 100 %RH
Dimensions:	2.1 in x 2.6 in dia. (53.34 mm x 66 mm dia.)
Material:	Enclosure: PTFE
Weight:	17 oz.
IP Rating:	IP68

*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.

Ambient Temperature	Time In Air To Max Internal Temp (150 °C / 302 °F)	Time In Liquid To Max Internal Temp (150 °C / 302 °F)
-200 °C (-328°F)	18 minutes	N/A
-180 °C (-292°F)	19 minutes	N/A
-160 °C (-256°F)	21 minutes	N/A
-140 °C (-220°F)	24 minutes	N/A
-120 °C (-184°F)	27 minutes	N/A
-100 °C (-148°F)	32 minutes	N/A
-80 °C (-112°F)	40 minutes	N/A
-60 °C (-76°F)	55 minutes	25 minutes
-40 °C to +150 °C (-40 °F to +302 °F)	Indefinitely	Indefinitely
160 °C (320 °F)	75 minutes	34 minutes
170 °C (338 °F)	63 minutes	29 minutes
180 °C (356 °F)	55 minutes	26 minutes
190 °C (374 °F)	50 minutes	23 minutes
200 °C (392 °F)	45 minutes	21 minutes
210 °C (410 °F)	42 minutes	19 minutes
220 °C (428 °F)	39 minutes	18 minutes
230 °C (446 °F)	36 minutes	17 minutes
240 °C (464 °F)	34 minutes	16 minutes
250 °C (482 °F)	32 minutes	15 minutes

ORDERING INFORMATION

MODEL	DESCRIPTION	PRICE (U.S.)
HITEMP150-TSK	HiTemp150 data logger and 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

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- Voltage
- Wireless
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- 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.