

HITEMP150-PT-TSK

HITEMP150-PT DATA LOGGER WITH 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

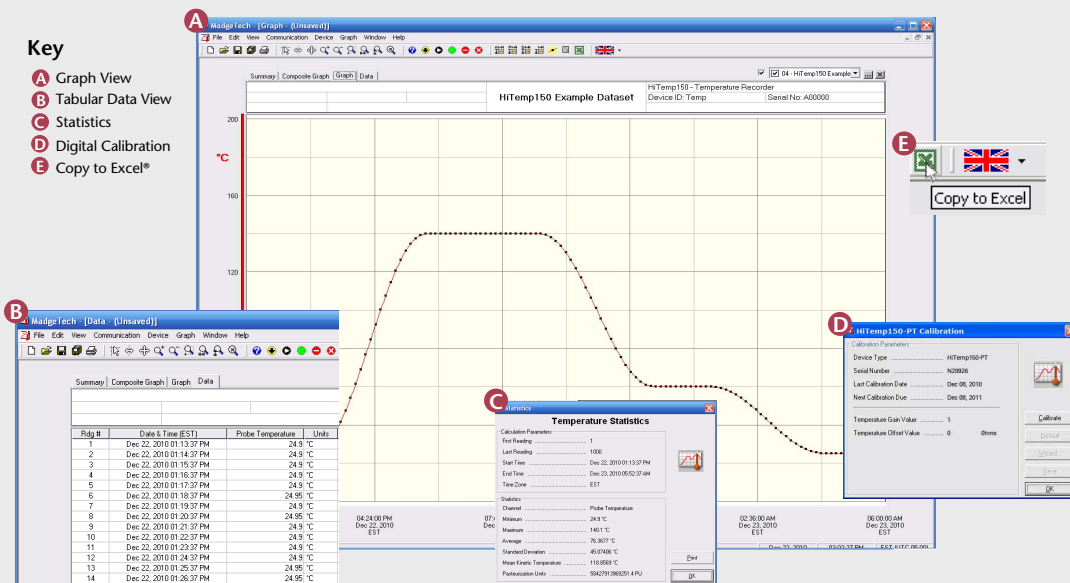
The HiTemp150-PT-TSK is a kit that includes a HiTemp150-PT data logger enclosed in a thermal shield. This durable system can withstand temperatures up to 250°C.

The thermal shield can be easily removed from the HiTemp150-PT, so it may be used as a standalone data logger also. Installing the data logger back into the thermal shield is simple, just open the enclosure, thread the probe through the end cap and fasten the thermal barrier together.

The HiTemp150-PT-TSK is submersible and has a 24" flexible, stainless steel probe. The probe is durable and can be spiraled, bent or angled in any direction, making it easy to log temperatures within bottles, vials or other hard to reach places.

The device can be started and stopped directly from a computer and the HiTemp150-PT-TSK's compact design and ultra flexible probe allows it to fit almost anywhere. The MadgeTech software allows users to view the data in graph and summary views and print professional reports.

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

HITEMP150-PT SPECIFICATIONS (Without Thermal Shield)*

Temperature Sensor: 100Ω Platinum RTD	Calibration: Digital calibration through software
Temperature Range: -40 to +150°C	Calibration Date: Automatically recorded within device
Temperature Resolution: 0.05°C	Data Format: Date and time stamped °C, °F, K, °R
Calibrated Accuracy: ±0.5°C	Time Accuracy: ±1 minute/month at 20°C (RS232 cable not in use)
Start Modes: Software programmable immediate start or delay start up to six months in advance	Computer Interface: PC serial or USB (Interface cable required); 2,400 baud
Real Time Recording: May be used with PC to monitor and record data in real time	Software: XP SP3/Vista/Windows 7
Memory: 32,767 readings	Operating Environment: -40 to +150°C, 0 to 100%RH
Reading Rate: One second up to once every 12 hours.	Dimensions (Body): 1.1" x 1.75" dia. (28mm x 45mm dia.)
Battery Type: 3.6V high-temperature lithium battery included	Dimensions (Probe): Probe tip: 0.125"OD x 1.5"L Flexible portion: 24" x 0.062"OD dia.
Battery Life*: 1 year typical (1 minute reading rate @ 25°C)	Weight: 8 oz (225 g)
	Material: 316 Stainless Steel
	Approvals: CE

*The device must be sent back to MadgeTech for battery replacement.

BATTERY WARNING: 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).

HITEMP150-PT-TSK SPECIFICATIONS*

Operating Environment: -200 to +250°C (-328 to +482°F) (Time limited) 0 to 100% RH Dimensions: 2.1" x 2.6" dia. 53.34mm x 66mm dia. Weight: 10.40 oz. (294.84g) IP Rating: IP68	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

*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

MODEL	DESCRIPTION	PRICE (U.S.)
HITEMP150-PT-TSK	HiTemp150-PT data logger with thermal shield	\$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	N.I.S.T. Certificate	\$60.00

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- Intrinsically Safe
- Spectral Vibration
- Motion

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

*To order the product with the N.I.S.T. certificate add -CERT to the end of the part number and add \$60.00 to the price.