

SPECIFICATIONS

Specifications are subject to change without notice. Specific warranty remedy limitations apply. Call (603) 456-2011 or go to madgetech.com for details.

TEMPERATURE	
Temperature Sensor	100 Ω Platinum RTD
Probe Measurement Range	-200 °C to +350 °C (-328 °F to +662 °F)
Temperature Resolution	0.01 °C (0.02 °F)
Calibrated Accuracy	± 0.1 °C/ ± 0.18 °F (20 °C to +140 °C/68 °F to +284 °F) ± 0.3 °C/ ± 0.54 °F (-20 °C to +19.99 °C/-4 °F to +67.98 °F) ± 0.4 °C/ ± 0.72 °F (-40 °C to -20.01 °C/-40 °F to -4.02 °F)

GENERAL	
Start Modes	Software programmable immediate start Delay start up to 18 months in advance
Stop Modes	Manual or Timed (specific date and time)
Real Time Recording	May be used with PC to monitor and record data in real time
Password Protection	An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password.
Memory	65,536 readings
Wrap Around	Yes
Reading Rate	1 reading every second up to 1 reading every 24 hours
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device
Battery Type	3.6V high-temperature lithium battery included; user replaceable
Battery Life	1 year typical (1 minute reading rate at 25 °C/77 °F)
Data Format	Date and time stamped °C, K, °F or °R

Time Accuracy	± 1 minute/month at 20 °C to 30 °C (68 °F to 86 °F) (Stand alone mode)
Computer Interface	IFC400 OR IFC406 USB docking station required; 125,000 baud
Operating System Compatibility	Windows XP SP3 or later
Software Compatibility	Standard Software version 4.1.8.0 or later Secure Software version 4.1.7.0 or later
Operating Environment	-40 °C to +140 °C (-40 °F to +284 °F) 0 %RH to 100 %RH, 0.002 PSIA to 100 PSIA
Dimensions (Body)	1.9 in x 0.97 in dia. (48 mm x 24.6 mm dia.)
Dimensions* (PT-1 Probe)	Probe Tip: 1.7 in x 0.125 in dia. (42 mm x 3.2 mm dia.) Bendable Portion: 22 in x 0.062 in dia. (559 mm x 1.6 mm dia.)
Dimensions* (PT-5 Probe)	Probe Tip: 4.8 in x 0.125 in dia. with 1 in x 0.188 in dia. handle (121 mm x 3.2 mm dia. with 25 mm x 4.8 mm dia. handle) Bendable Portion: 22 in x 0.062 in dia. (559 mm x 1.6 mm dia.)
Dimensions* (PT-1-12 Probe)	Probe Tip: Probe tip is 1.7 in x 0.125 in dia. (42 mm x 3.2 mm dia.) Bendable Portion: 12 in x 0.062 in dia. (305 mm x 1.6 mm dia.)
Weight	4.2 oz (120 g)
Material	316 Stainless Steel
Approvals	CE

*The probe should not be bent within 1 inch of either weld joint.

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 150 °C (302 °F).

Ordering Information

HITEMP140-PT-1	PN 900230-00	Extended Range Temperature Data Logger with a 24 inch Bendable Probe with a 1 inch piercing tip
HITEMP140-PT-1-KR	PN 902152-00	Extended Range Temperature Data Logger with a 24 inch Bendable Probe with a 1 inch piercing tip with key ring end cap
HiTemp140-PT-5	PN 900243-00	Extended Range Temperature Data Logger with a 24 inch Bendable Probe with a 5 inch piercing tip
HiTemp140-PT-5-KR	PN 902365-00	Extended Range Temperature Data Logger with a 24 inch Bendable Probe with a 5 inch piercing tip with key ring end cap
HiTemp140-PT-1-12	PN 902306-00	Extended Range Temperature Data Logger with a 12 inch bendable probe and 1 inch piercing tip
IFC400	PN 900319-00	Docking station with USB cable
IFC406	PN 900325-00	6 Port, Multiplexer docking station with USB cable
ER14250MR-145	PN 900097-00	Replacement battery for the HiTemp140-PT