

- Autoclave Verification
- Implement HACCP Programs
- Food Preparation and Processing
- Environmental Studies
- Well Monitoring
- Washer Disinfectors
- Pasteurization

HiTemp140X2

SPECIFICATIONS

*Specifications are subject to change without notice. Specific warranty remedy limitations apply.

TEMPERATURE		Battery Life	1 year typical (1 minute reading rate at 25 °C/ 77 °F)
Temperature Sensor	HiTemp140X2- FPST: Two Flexible RTD Probes HiTemp140X2- FPST-PT: Flexible RTD Probe and Bendable RTD Probe HiTemp140X2-TD-PT: Rigid RTD Probe with a Bendable RTD Probe HiTemp140X2-TD-FPST: Rigid RTD Probe with a Flexible RTD Probe	Data Format	Date and time stamped °C, K, °F or °R
		Time Accuracy	±1 minute/month at 25 °C (77 °F) Extended Operation: ±20 minutes/month at 140 °C (±450 ppm)
Probe Measurement Range	Rigid Probe: -200 °C to +260 °C (-328 °F to +500 °F) Bendable Probe: -200 °C to +350 °C (-328 °F to +662 °F) Flexible Probe: -200 °C to +260 °C (-328 °F to +500 °F) *BODY OF LOGGER CANNOT EXCEED 140 °C	Computer Interface	IFC400 OR IFC406 USB docking station required; 125,000 baud
Temperature Resolution	0.01 °C (0.02 °F)	Operating System Compatibility	Windows XP SP3 or later
Calibrated Accuracy	±0.1 °C (+20 °C to +140 °C); 0.18 °F (+68 °F to +284 °F) ±0.3 °C (-20 °C to 19.99 °C); 0.54 °F (-4 °F to +67.98 °F) ±0.4 °C (-40 °C to -20.01 °C); 0.72 °F (-40 °F to +68.018 °F)	Software Compatibility	MadgeTech Standard Software version 4.2.1.0 or later MadgeTech Secure Software version 4.2.0.0 or later
GENERAL		Operating Environment	-40 °C to +140 °C (-40 °F to +284 °F) 0 %RH to 100 %RH, 0.002 PSIA to 100 PSIA
Start Modes	Software programmable immediate start Delay start up to 18 months in advance	IP Rating	IP68
Stop Modes	Manual or Timed (specific date and time)	Dimensions (Body)	1.89 in x 0.97 in x 0.97 in (48 mm x 24.6 mm x 24.6 mm)
Trigger Settings	High and Low limits may be set. Once data meets or exceed sets limits, the device will record to memory. Bi-level start and stop triggers can also be programmed. Users can specify the number of readings to take after the device triggers. <i>(Triggering on channel #1 only)</i>	Dimensions (Probe)	6 inch Flexible Probe: 6 in x 0.13 in (152 mm x 3.2 mm) 12 inch Flexible Probe: 12 in x 0.13 in (305 mm x 3.2 mm) 36 inch Flexible Probe: 36 in x 0.13 in (914.4 mm x 3.2 mm) 72 inch Flexible Probe: 72 in x 0.13 in (1829 mm x 3.2 mm) 1 Inch PT Bendable 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.) 5 Inch PT Bendable 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.) TD Rigid Probe: 2.0 in x 0.125 in dia. (0.188 in transitional dia.) 51 mm x 3.2 mm dia. (4.8 mm transitional dia.)
Memory	16,128 readings		
Readings in Trigger Settings Mode	5,376 readings	Weight	HiTemp140X2-FPST: 4.1 oz (115 g) HiTemp140X2-FPST-PT: 3.9 oz (110 g) HiTemp140X2-TD-PT: 3.0 oz (85 g) HiTemp140X2-TD-FPST: 3.5 oz (100 g)
Real Time Recording	May be used with PC to monitor and record data in real time	Material	Body: 316 Stainless Steel, Radel Bendable Probe: 316 Stainless Steel Flexible Probe: PFA Insulated Cable with Stainless Steel Tip
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	Approvals	CE
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	3.6 V high-temperature lithium battery included; user replaceable		

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

HITEMP140X2-FPST-6	PN 902335-00	High Temperature dual probe data logger with two 6 inch flexible probes with stainless steel tips
HITEMP140X2-FPST-12	PN 902331-00	High Temperature dual probe data logger with two 12 inch flexible probes with stainless steel tips
HITEMP140X2-FPST-24	PN 902333-00	High Temperature dual probe data logger with two 24 inch flexible probes with stainless steel tips
HITEMP140X2-FPST-36	PN 902318-00	High Temperature dual probe data logger with two 36 inch flexible probes with stainless steel tips
HITEMP140X2-FPST-72	PN 902321-00	High Temperature dual probe data logger with two 72 inch flexible probes with stainless steel tips
HITEMP140X2-FPST-6-FPST-12	PN 902334-00	High Temperature dual probe data logger with a 6 inch flexible probe and 12 inch flexible probe with stainless steel tips
HITEMP140X2-FPST-6-FPST-36	PN 902328-00	High Temperature dual probe data logger with a 6 inch flexible probe and 36 inch flexible probe with stainless steel tips
HITEMP140X2-FPST-12-PT-1	PN 902332-00	High Temperature dual probe data logger with a 12 inch flexible probe with stainless steel tip and 24 inch bendable probe with a 1 inch piercing tip
HITEMP140X2-FPST-36-PT-1	PN 902319-00	High Temperature dual probe data logger with a 36 inch flexible probe with stainless steel tip and 24 inch bendable probe with a 1 inch piercing tip
HITEMP140X2-FPST-72-PT-1	PN 902322-00	High Temperature dual probe data logger with a 72 inch flexible probe with stainless steel tip and 24 inch bendable probe with a 1 inch piercing tip
HITEMP140X2-FPST-36-PT-5	PN 902320-00	High Temperature dual probe data logger with a 36 inch flexible probe with stainless steel tip and 24 inch bendable probe with a 5 inch piercing tip
HITEMP140X2-FPST-72-PT-5	PN 902323-00	High Temperature dual probe data logger with a 72 inch flexible probe with stainless steel tip and 24 inch bendable probe with a 5 inch piercing tip
HITEMP140X2-TD-FPST-6	PN 902338-00	High Temperature dual probe data logger with 2 inch transitional diameter probe and 6 inch flexible probe with stainless steel tip
HITEMP140X2-TD-FPST-12	PN 902329-00	High Temperature dual probe data logger with 2 inch transitional diameter probe and 12 inch flexible probe with stainless steel tip
HITEMP140X2-TD-FPST-36	PN 902324-00	High Temperature dual probe data logger with 2 inch transitional diameter probe and 36 inch flexible probe with stainless steel tip
HITEMP140X2-TD-FPST-72	PN 902325-00	High Temperature dual probe data logger with 2 inch transitional diameter probe and 72 inch flexible probe with stainless steel tip
HITEMP140X2-TD-PT-1	PN 900281-00	High Temperature dual probe data logger with 2 inch transitional diameter probe and 24 inch bendable probe with a 1 inch piercing tip
HITEMP140X2-TD-PT-5	PN 900283-00	High Temperature dual probe data logger with 2 inch transitional diameter probe and 24 inch bendable probe with a 5 inch piercing tip
IFC400	PN 900319-00	Docking station with USB cable
IFC406	PN 900325-00	6 Port, Multiplexer docking station with USB cable
ER14250-SM Formerly ER14250MR-145	PN 900097-00	Replacement battery for the HiTemp140X2