

HI 141

Temperature Dataloggers

- 1 or 2 channels with internal or external sensor
- With or without LCD
- 16,000 samples/channel (1-channel models) or 8,000 samples/channel (2-channel models)
- Logging interval from 1 second to 24 hours
- Logging delay start up to 199 hours and magnetic start
- Programmable high and low alarms
- Non-volatile storage of logging
- Waterproof casing
- BEPS (Battery Error Protection System)

The HI 141 series is a family of temperature dataloggers with either one or two channels, internal or external temperature sensors, and an optional LCD. External temperature sensor models feature one or two stainless steel sensors on a 1 m (3.3') cable for direct insertion. HI 141 can store up to 16,000 temperature samples in a protected, non-volatile EEPROM memory. The logging interval can be set from once per second to once per 24 hour period, and logging delay can be set anywhere up to 199 hours. The MIN or MAX temperature between logging intervals can also be stored. All of your collected data is tamper-proof and stored into serial numbered lots.

The HI 141000 Windows® compatible software supports communication between the logger and the PC through the HI 141001 infrared transmitter.

The waterproof housing can include a convenient hanging hook (simply add an "H" to the end of the code). For a typical 1 minute logging interval, the battery will last about 4 years.



Users can access the current temperature, channel and status of the logging sequence according to your programmed instructions:



HIGH and LOW alarm settings



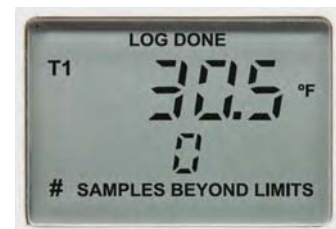
Number of samples taken



HIGH and LOW temperature values



Countdown until the start of logging



Number of samples which have exceeded the HIGH/LOW alarms

SPECIFICATIONS Model	Display	Molded Eye for Hanging	Sensor(s)	Cable Length (if applicable)	Range
HI 141A			1 internal	–	-40.0 to 80.0°C / -40.0 to 176.0°F
HI 141AH		•	1 internal	–	-40.0 to 80.0°C / -40.0 to 176.0°F
HI 141B			1 external	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141BH		•	1 external	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141BH/3		•	1 external	3 m (9.8')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141BH/10		•	1 external	10 m (32.8')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141BH/15		•	1 external	15 m (49.2')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141BH/20		•	1 external	20 m (65.6')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141BH/25		•	1 external	25 m (82')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141C	•		1 internal	–	-20.0 to 70.0°C / -40.0 to 158.0°F
HI 141CH	•	•	1 internal	–	-20.0 to 70.0°C / -40.0 to 158.0°F
HI 141D	•		1 external	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141DH	•	•	1 external	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141DH/2	•	•	1 external	2 m (6.6')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141DH/5	•	•	1 external	5 m (16.4')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141DHS/5	•	•	1 external, 12 cm penetration	5 m (16.4')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141DH/10	•	•	1 external	20 m (65.6')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141DH/20	•	•	1 external	20 m (65.6')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141E			1 internal 1 external	1 m (3.3')	-40.0 to 80.0°C / -40.0 to 176.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141EH		•	1 internal 1 external	1 m (3.3')	-40.0 to 80.0°C / -40.0 to 176.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141EH/2		•	1 internal 1 external	2 m (6.6')	-40.0 to 80.0°C / -40.0 to 176.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141F			2 external	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141FH		•	2 external	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141G	•		1 internal 1 external	1 m (3.3')	-20.0 to 70.0°C / -40.0 to 158.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141GH	•	•	1 internal 1 external	1 m (3.3')	-20.0 to 70.0°C / -40.0 to 158.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141GHS/120	•	•	1 internal 1 external, 12 cm penetration	1 m (3.3')	-20.0 to 70.0°C / -40.0 to 158.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141GH/2	•	•	1 internal 1 external	2 m (6.6')	-20.0 to 70.0°C / -40.0 to 158.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141GH/5	•	•	1 internal 1 external	5 m (16.4')	-20.0 to 70.0°C / -40.0 to 158.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141GH/20	•	•	1 internal 1 external	20 m (65.6')	-20.0 to 70.0°C / -40.0 to 158.0°F -40.0 to 125.0°C / -40.0 to 257.0°F
HI 141J	•		2 external	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141JH	•	•	2 external	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141JHS/120	•	•	2 external, 12 cm penetration	1 m (3.3')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141JH/2	•	•	2 external	2 m (6.6')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141JHS/2	•	•	2 external, 12 cm penetration	2 m (6.6')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141JH/5	•	•	2 external	5 m (16.4')	-40.0 to 125.0°C / -40.0 to 257.0°F
HI 141JH/15	•	•	2 external	15 m (49.2')	-40.0 to 125.0°C / -40.0 to 257.0°F

Specification for all models

Resolution	0.1°C (-40.0 to 100.0°C); 0.2°C (> 100.0°C) 0.1°F (-40.0 to 190.0°F); 0.3°F (> 190.0°F)
Accuracy	±0.5°C (-40.0 to 0.0 and 70.0 to 100.0°C); ±0.4°C (0.0 to 70.0°C); ±1.0°C (> 100.0°C) ±1.0°F (-40.0 to 32.0 and 158.0 to 212.0°F); ±0.8°F (32.0 to 158.0°F); ±2.0°F (> 212.0°F)
Environment	RH 100%
Diameter	86.5 mm (3.4")
Height	35 mm (1.4")
Weight	150 g (5.5 oz.)

ORDERING INFORMATION

All HI 141 models are supplied with 3.6V Lithium AA battery, magnetic key and instructions.

ACCESSORIES

- HI 141000 Windows® application software (Required)
- HI 141001 Infrared transmitter (Required)
- HI 740033 3.6 V AA lithium battery
- HI 740221 Key for HI 141 magnetic start

* For models with molded hook, use the "H" at the end of the part code. Ex. HI 141AH
 ** Models with different cable lengths are available upon request. Contact your nearest HANNA dealer.