



Temperature Datalogger – HI148-1/external sensor

Description

Thin and Rugged Design

The HI148 is housed in a rugged waterproof ABS casing with an IP67 rating which protects against the ingress of dust and submersion in water at a depth of 1 meter for up to 30 minutes. It is compact in size but has a large high contrast display for easy viewing. Each thermologger is supplied with a wall cradle allows for fixed mounting in a location of your choice.

Multiple Sensor Options

The HI148 temperature dataloggers are available in four different models. Models are available with one or two channels with a combination of internal and/or external sensors. Loggers with an external temperature sensor feature a stainless steel probe on a 1 m (3.3') flexible silicone cable.

Programmable LCD Display

The HI148 features a large clear LCD display with a wide viewing angle. The LCD is divided into 3 areas: the top displays the status of the datalogger; the middle displays the temperature reading, units, and active channel; the bottom display is user selectable, and can include the minimum and maximum temperature, the high and low alarm thresholds, the current number of samples, and the number of samples outside alarm limits.

PC Connectivity

All dataloggers can be programmed and transfer of logged data using a USB-C cable and the HI92148 PC software. Each datalogger is serialized with a unique ID code to track results by meter. The HI92148 PC software is compatible with Windows(R) XP or newer operating system.

Customizable Program Settings

The HI148 waterproof thermologgers offer a wide variety of programming options that can be set in the using the HI92148 PC software, including:

- Logging start mode that can be delayed by setting a fixed time (1 second to 199 hours) or started manually by pressing a dedicated button on the back.
- Programmable high and low alarm limits with visual LED indicators
- Logging and measurement interval (from 1 sec to 24 hours for 1-channel models, and from 2 sec to 24 hrs for 2-channel models)
- Each logging session can be assigned an ID number and password.

Data Retrieval and Analysis

The thermologgers feature extensive memory capacity: 16,000 samples for 1-channel models and 8,000 samples/channel for 2-channel models. Logged data is displayed as both a table and a graphical representation in the HI92148 software. The graphical representation can be saved as an image file, while the data can also be exported as a spreadsheet for further data analysis.

Waterproof Temperature Data Loggers – HI148 Series

1 Internal SensorHI148-1 1 External SensorHI148-2 1 Internal & 1 External SensorHI148-3 2 External SensorsHI148-4

Especificaciones

Especificación	Detalle
Código de producto	HI148
Intervalo	HI148-1 T1 con sensor interno -20.0 a 60.0 °C / -4.0 a 140.0 °F HI148-2 T1 con sensor externo -40.0 a 125.0 °C / -40.0 a 257.0 °F HI148-3 T1 con sensor interno -20.0 a 60.0 °C / -4.0 a 140.0 °F T2 con sensor externo -40.0 a 125.0 °C / -40.0 a 257.0 °F HI148-4 T1 sensor externo -40.0 a 125.0 °C / -40.0 a 257.0 °F T2 sensor externo -40.0 a 125.0 °C / -40.0 a 257.0 °F
Resolución	0.1 °C (-40.0 a 100.0 °C); 0.2 °C (temp. >100.0 °C) 0.1 °F (-40.0 a 190.0 °F); 0.3 °F (temp. >190.0 °F)
Exactitud	±0.5 °C (-40.0 a 0.0 °C y 70.0 a 100.0 °C); ±0.4 °C (0.0 a 70.0 °C) ±1 °C (>100.0 °C) ±1 °F (-40.0 a 32.0 °F y 158.0 a 212.0 °F) ±0.8 °F (32.0 a 158.0 °F) ±2 °F (>212.0 °F)
Sonda	Sonda de acero inoxidable con cable de silicón de 1 m (3.3'); longitud 33.5 mm (13.2"), diámetro 3.5 mm (0.14")
Batería	3 x 1.5V AAA, aproximadamente 2 años de uso
Condiciones ambientales	-20.0 a 60.0 °C (-4.0 a 140.0 °F); HR 100%
Dimensiones	107 x 59 x 17 mm (4.2 x 2.3 x 0.7")
Peso	130 g (4.6 oz)
Nota	Nota: el HI148 tiene las sondas marcadas con T1 y T2