



EBI 100 Temperature Data Loggers

Waterproof temperature data loggers for remote monitoring.



- Completely waterproof
- Temperature resistant up to +302°F (+150°C)
- Stainless steel housing
- Standard logger with eyelet option for mounting

Description

The programmable EBI 100 loggers are easy to handle and have many applications. You can measure and store up to 27,000 temperature data values with a sample setting from one second to 24 hours per reading. The sampling rate (interval) and ambient temperature have influence on the life span of the battery, which can last up to five years depending on use. The EBI 100-T101 measures up to 185°F (85°C), while the EBI 100-T100 measure up to 302°F (150°C). To program the data loggers the user needs the WINLOG software and the EBI IF 100-1 temperature data logger interface.

The Winlog software is user friendly and includes an online help function. It allows you to smooth the graphical displays of the EBI100's data by averaging the results. It offers a short logger status window that allows you to check many of the logger's activities, including if the logger is active, if limit values have been exceeded, if the logger is recording, and if the data has rolled over the buffer to overwrite old data. Many other software features are covered in the data logger's software manual.

Applications

The EBI-100 temperature data loggers have many applications including stream, river, or lake temperature measurements, temperature recording for process monitoring, monitoring autoclaves and temperature chambers, process validation, temperature monitoring during transport, temperature monitoring in laboratories with explosion hazards, and many more.

Specifications

Temperature Data Loggers Measuring range:

EBI 100-T101: -121 to +185°F (-85 to +85°C)

EBI 100-T100: -40 to +302°F (-40 to +150°C)

Temperature Data Loggers Accuracy:

Temperature: ± 2°F from -121 to -41.8°F (± 1°C from -85 to -41°C), ± 0.6 °F from -40 to +302°F (± 0.3 °C from -40 to +150°C)

Temperature Data Loggers Resolution:

Temperature: 0.045 °F (0.025 °C)

Sensor: PT1000

Operating temperature: -121 to +302°F (-85 to +150°C)

Storage temperature: -40 to +257°F (-40 to +125°C)

Storage memory: 27,000 values

Interface: wireless 2.4 GHz / IEEE 802.15.4

Battery: 3.6 V lithium battery replaceable

Life span of battery: up to 5 years depending on use

Protection class: IP68/NEMA 6P

Housing material: stainless steel (V4A), PEEK

Dimensions: Height 0.9 in (24 mm), Diameter 1.8 in (46 mm)

Weight: approx. 1.4 oz (45 g)

Options and Accessories

EBI 100-T101 Set – Temperature Data Logger Kit

Includes EBI 100-T101 temperature data logger, Winlog.light software, and EBI 100 interface hardware.

EBI100-T100 Set – High Range Temperature Logger Kit

Includes EBI 100-T100 temperature data logger, Winlog.light software, and EBI 100 interface hardware.

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