

## EBI 85 Temperature Data Loggers

Waterproof temperature data loggers for remote monitoring.



- Completely waterproof
- Temperature resistant up to +284°F (+140°C)
- Stainless steel housing
- Standard logger with eyelet for mounting

### Description

The programmable EBI-85 and EBI-125, temperature data loggers are easy to handle and have many applications. With the temperature data logger you can measure and store up to 18,000 temperature values with a sample setting from one second to 8 hours per reading. The sampling rate (interval) and ambient temperature have influence on the life span of the battery. For example at 77 °F (25 °C) if the temperature data logger is set to sample once every second the internal batteries will last about one year, however if the temperature data logger is set to sample once an hour the batteries will last eight year. The EBI-85 temperature data logger measures up to 185°F (85°C), while the EBI-125 measures up to 257°F (125°C). To program the temperature data loggers the user needs the WINLOG 2000 software and the EBIAE-S temperature data logger interface.

### Applications

The EBI-85 and EBI-125, 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

Sensor: Pt 1000

Measuring range with internal temperature sensor:

EBI-85 A: -40 to +185°F (-40 to +85°C)

EBI-125 A: -40 to +257°F (-40 to +125°C)

Continuous operation: -40 to +257°F (-40 to +125°C)

Up to 3 hours: at 266°F (130°C)

Up to 1 hour: at 284°F (140°C)

Operating temperature:

EBI-85 A: -40 to +185°F (-40 to +85°C)

EBI-125 A: -40 to +257°F (-40 to +125°C)

Storage temperature:

EBI-85 A: -40 to +185°F (-40 to +85°C)

EBI-125 A: -40 to +257°F (-40 to +125°C)

Sampling rate: 1 s to 8 h

Resolution: 0.1°F (0.1°C)

Accuracy: ±0.5°F (± 0.3°C)

Channels: 1

Storage memory: approx. 18,000 values

Data output: M-BUS

Battery: lithium 3.6 V

Life span of battery: 5 to 8 years depending on sample interval

Casing: Stainless-steel with PEEK ring

Max. pressure abs: 20 mbar to 20 bar

Protection class: IP 68

Dimensions: Height 1.1 in (28 mm), Diameter 1.9 in (48 mm)

Weight: approx. 3.5 oz (100 g)

### Options and Accessories

#### EBI-85 A-OE-Set - Temperature Data Logger Kit

Includes EBI-85 A-OE data logger, Winlog.standard software, EBI-85 interface, and USB cable.

#### EBI-125 A-OE-Set – High Range Temperature Logger Kit

Includes EBI-125 A-OE data logger, Winlog.standard software, EBI-125 interface, and USB cable.

### Regional Distributor



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