

EBI 20 Temperature/Humidity Dataloggers

Compact, powerful and easy to use temperature and humidity dataloggers.



- Programmable sampling rate from 1sec to 24 hrs plus Hi/Lo limits with alarm indication
- 8,000 readings with time and date stamp
- Min/Max values on display
- Waterproof (EBI 20 T only)
- CE compliant

Description

The EBI 20 temperature/humidity dataloggers are convenient measuring and recording instruments for temperature and relative humidity. The dataloggers have a large display panel (LCD), are operated with a lithium battery and are programmed by using a PC. A datalogger interface is required, along with the Winlog basic software, to program the dataloggers. The interface is connected to the PC by a Universal Serial Bus (USB) cable for convenience.

Optical alarm

The EBI 20 temperature/humidity dataloggers can be programmed so that they signal an optical alarm when the measured value for the temperature or relative humidity deviates from the range (upper and lower limit value) set during programming. In this case the word "Alarm" appears at the top of the datalogger's display panel and a red LED will flash if it was programmed to.

Applications

Applications include recording humidity and temperature in clean rooms, refrigerators, shipping vans, freezers, shipping crates, cargo vessels, warehouses, storage areas, or other critical environments.

Specifications

Temperature measuring range: -22 to 140°F (-30 to +60°C)

Humidity measuring range (EBI 20 TH only): 0% to 100% rH

Temperature accuracy:

$\pm 0.9^\circ\text{F}$ (-4 to +104°F) ($\pm 0.5^\circ\text{C}$ (-20 to +40°C))

$\pm 1.5^\circ\text{F}$ ($\pm 0.8^\circ\text{C}$) for remaining measuring range

Humidity accuracy (EBI 20 TH only): $\pm 3\%$ rH (10 to 90% rH)

Temperature resolution: 0.1°F (0.1°C)

Humidity resolution (EBI 20 TH only): 0.1% rH

Memory: 8,000 values

Sensor: NTC for temperature/capacitive humidity sensor (EBI 20 TH only)

Operating temperature: -22 to +140°F (-30 to +60°C)

Storage temperature: -40 to +158°F (-40 to +70°C)

Measuring rate: 1 min to 24 h

Measuring mode: Immediate loop measurement, measurement from starting point, start immediately until memory full, start/stop measuring, start when button pressed

Battery: 3V lithium (CR2450), replaceable

Battery life: At least 2 years (at 15min measuring rate @ 77° (25°C))

Protection class: IP 67/52 (EBI 20 TH)

Housing: ABS

Dimensions: 2.7x1.9x0.9in (69x48x22mm)

Weight: 1.5oz (45g)

Options and Accessories

EBI-20-T-Set - Temperature Datalogger Kit

Includes EBI-20-T datalogger, Winlog.basic software, EBI-20 interface, and USB cable.

EBI-20-TH-Set - Temperature/Humidity Datalogger Kit

Includes EBI-20-TH datalogger, Winlog.basic software, EBI-20 interface, and USB cable.

Regional Distributor



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