

USB Data Logger with Display



**FOR EXTERNAL THERMOCOUPLES (J, K AND T)
OR HUMIDITY / TEMPERATURE AND DEW POINT**

EL-USB-2-LCD

(device + software)
USB Data Logger for Humidity / Temperature and Dew Point

EL-USB-TC-LCD

(device + software)
USB Data Logger for external Thermocouples (J, K and T)

Description:

- Direct connection to USB interface
- 2 programmable alarm limits
- LED for indication of low battery power
- Data logger with display
- red, green and orange LED for system status
- Protection class IP67
- incl. software

Specification EL-USB-2-LCD:

Measuring Range:

Temperature: -35 ... +80 °C

Humidity: 0 ... 100 % RH

Dew Point: via software

Resolution: 0.5 °C / 0.5% RH

Accuracy:

Temperature (typ): ± 1 °C

Humidity: ± 3,5 % RH (in the range 20 ... 80 % RH)

Dew Point: ± 2 °C (in the range 40 ... 100 % RH/25 °C)

Memory: 16.382 recordings per humidity and temperature

Logging Interval: 10 s, 1 min, 5 min, 30 min, 1 h, 6 h, 12 h programmable via software

Serial Interface: USB

Battery: lithium battery, size 1/2 AA,

Dimensions housing: 103 x 26.4 mm (L X W), Ø 27 mm

Scope of supply: 1 device, 1 lithium battery 3,6 V, 1 software, 1 protection cap, 1 operating manual (on CD-ROM), 1 clip

Specification EL-USB-TC-LCD:

Measuring Range:

Type J: -130 ... +900 °C,

Type K: -200 ... +1300 °C

Type T: -200 ... +350 °C

Resolution: 0.5 °C

Accuracy (typ.): ± 1.0 °C (at nominal temperature 25 °C)

Thermocouple Connectors: Thermoelement socket in miniature size, suitable for flat-pin plugs

Memory: 32.000 data

Logging Interval: 1 s, 10 s, 1 min, 5 min, 30 min, 1 h, 6 h, 12 h, adjustable via software

Operating Temperature: -10 ... +40 °C

Serial Interface: USB

Battery: 3.6 V Lithium battery, size 1/2 AA

Dimensions: 118.2 x 26.8 mm (L X W), Ø 27 mm

Scope of supply: 1 device incl. 3.6 V lithium battery, 1 software, 1 protection cap, 1 operating manual (on CD-ROM), 1 clip, 1 wire temperature probe

Special Note:

EL-USB-2-LCD and EL-USB-TC-LCE are neither BUS- nor **E.A.S.Y.Bus** compatible.

Temperature-Logger



T-Logg

The logger series for stand-alone applications



T-Logg 100

T-Logg 100 E

DIN EN 12830

**FOR INDIVIDUAL PROGRAMMING
OF RECORDING TIME**

T-Logg 100

Temperature data logger (16.000 measurement values) for any application

T-Logg 100 E

Temperature data logger (16.000 measurement values) for any application

Starter kit

T-Logg 100 SET

Complete set: T-Logg 100 + USB 100 (incl. software)

Specification:

Measuring range:

T-Logg 100: -30.0 ... 60.0 °C

T-Logg 100 E: -30.0 ... 120.0 °C

Resolution: 0.1 °C

Accuracy (at nominal temperature = 25 °C)

T-Logg 100: ±0.5 °C

T-Logg 100 E: ±0.2 % of measuring value ±0,5 °C

Sensor:

T-Logg 100: integrated in device

T-Logg 100 E: sensor tube made of stain-less steel, Ø 5 mm, approx. 50 mm long, approx. 1 m silicone cable. Cable with anti-buckling glanding to housing.

Display: LCD-display, 10 mm high

Recording interval: from 2 s ... 5 h, free programmable via software

Storage capacity: 16.000 measuring values

Recording time: 166 days (if interval is 15 min.)

Working temperature: -30 ... +60 °C

Storage temperature: -40 ... +85 °C

Battery: CR2032, exchangeable

Battery service life: over 3 years (if recording interval is 15 min.)

Approvals: DIN EN 12830

Interface: serial interface, 3-pin miniature integral plug.

Housing: 48.5 x 48.5 x 35.5 mm (L x W x D) plugs, sensor connection, ... are not included, Housing made of shock resistant plastic, transparent front made of polycarbonate. splash water-proof: IP 65.

Noise immunity (EMC): the T-Logg 100 have been manufactured in accordance with the regulations concerning EMC (2004/108/EG). The device meets EN 61326-1 (table 2, class B), additional error: < 0,5 % (< 1 % at T-Logg 100 E)

Note:

The T-Logg 100 is not suitable for bus operation and is not **E.A.S.Y.Bus** compatible.