

USB Data Logger

with Display for external Thermocouples (J, K und T) or Humidity / Temperature and Dew Point



- 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
- IP67
- incl. software

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 und T)

Specification EL-USB-2-LCD:

Measuring Range:	Temperature: -35 ... +80°C Humidity: 0 ... 100% r.h. Dew Point via Software
Resolution:	0,5 °C / 0,5% r.h.
Accuracy:	Temperature (typ): ± 1°C Humidity: ± 3,5 %r.F. (in the range 20 till 80 %r.h.) Dew Point: ± 2°C (in the range 40...100%r.h., 25°C)
Memory:	16.382 recordings per humidity and temperature
Logging Interval:	10 sec, 1 min, 5 min, 30 min, 1 h, 6 h, 12 h programmable via software
Serial Interface:	USB
Battery:	3,6V lithium battery, size 1/2 AA, exchangeable
Dimensions:	103 x 26,4 mm (L X W), Ø 27,0mm
Scope of supply:	1 device, 1 lithium battery 3,6V, 1 software, 1 clip 1 protection cap, 1 operating manual (on CD-ROM), 1 clip

Specification EL-USB-TC-LCD:

Measuring Range:	Typ J: -130 ... +900°C, Typ K: -200 ... +1300°C Typ T: -200 ... +350°C
Resolution:	0,5°C
Accuracy (typ.):	± 1,0°C @ 25°C
Thermocouple Connectors :	Thermoelement socket in miniature size, suitable for flat-pin plugs
Memory:	32.000 data
Logging Interval:	1 sec, 10 sec, 1 min, 5 min, 30 min, 1 h, 6 h, 12 h adjustable via software
Operating Temp.:	Range: -10 ... +40°C
Serial Interface:	USB
Battery:	3,6V Lithium battery, size 1/2AA
Battery Life Time:	6 month @ 25°C and recording interval 1 min
Dimensions:	118,2 x 26,8 mm (L X W), Ø 27,0mm
Scope of supply:	1 device incl. 3,6V 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 EASYBUS compatible.

TEMPERATURE-LOGGER
for individual programming of
recording time



T-Logg 100 E



T-Logg 100

DIN EN
12830

TEMPERATURE DATA LOGGER
(16.000 meas. values) for any application

T-Logg 100

T-Logg 100 E

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:

T-Logg 100:	0,1 °C
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Accuracy (at nominal temperature = 25°C):

T-Logg 100:	±0,5 °C
T-Logg 100 E:	±0.2 % of meas. value ±0.5 °C

Sensor:

T-Logg 100:	integrated in device
T-Logg 100 E:	sensor tube made of stain-less steel, Ø5 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 sec. to 5 h

free programmable via software

Storage capacity:

16.000 measuring values

Recording time:

166 days (if interval is 15 min.)

Working temperature:

-30 to +60 °C

Storage temperature:

-40 to +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.

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

Housing:

48,5 x 48,5 x 35,5 mm (H 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 (excl. protection cap at T-Logg 160).

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)