

STATE-LOGGER for state monitoring etc.



E.A.S.Y. Bus
- Modul

STATE REGISTRATION
(48000 meas. values) for individual use

EASYLOG 40BIN

Specification

Input signal: passive volt-free switching contact

(input is not isolated for EASYBus)

Measuring values:

1 = contact is closed (R < 50 Ohm)

0 = contact is open (R > 20 kOhm)

Cycle: 2 sec. to 5 h,
free programmable via
software GSOFT 40K

Resolution display and memory: 1 digit

Display: 10 mm high LCD-display

Recording interval: equal to cycle

Storage capacity: 48.000 measuring values

Recording time: 500 days,
(if recording interval is 15 min.)

Battery service life: approx. 6 years (without
switching current, at 15 min)
double battery capacity against upcharge available!

Working temperature: -25 to +60°C

Storage temperature: -30 to +70°C

Interface: EASYBus-interface
3-pin mini-integral plug.

Needed connection-cable EBSK01 not included
in delivery (see accessories page 76)

*Note: With an according interface converter you
can connect 120 logger to one RS232-interface
without having any problems.*

Housing: 48,5 x 48,5 x 35,5 mm (L x B x H)
plug and cable not included, IP65

Electric connection: (for input signals)
approx.. 0.5m connection cable, flying leads

Noise immunity (EMC): the EASYLOG have
been manufactured in accordance with the regu-
lations concerning EMC (2004/108/EG).

The device meets EN50081-1 and EN50082-1
additional error: < 0,5%

Options (for extra charge)

- **DBK: double battery capacity**
recommended for high measure-rates

- **ALARM: additional alarm-output**
open-collector output via 4-pole miniature
mounting connector (IP65) including 1m cable.
Max. switching power: 28V, 50mA

HUMIDITY-/TEMPERATURE-/AIR PRESSURE LOGGER for climate monitoring etc.



E.A.S.Y. Bus
- Modul

HUMIDITY - / TEMPERATURE - / PRESSURE - REGISTRATION
(each 250.000 measured values) for climatic applications.

EASYLOG 80CL

WPF4 - Certificate of calibration humidity (measuring points: approx. 20/40/60/80%)

WPD5 - Certificate of calibration pressure (measuring points 300/500/700/900/1100 hPa)

General

The **EASYLog 80CL** can be configured, started and stopped by its buttons. It is possible to record
max. 64 recording sequences (=start/stop processes) with max. 250.000 data sets (humidity/tem-
perature/air pressure).

The device can also be configured and handled by the comfortable software GSOFT40K. There is
the possibility to block the stopping of the logger by the buttons to protect the logger of unauthor-
ised handling.

The device supports the display of units relevant for the air conditioning technology: wet bulb tem-
perature, dew point temperature, enthalpy, atmospheric humidity or absolute humidity.

The **EASYLog 80CL** provides a big variety of additional functions:

- SeaLevel correction: instead of the barometric air pressure the pressure at sea level can be display
(input of height above sea level needed).

- Min-/max- value memory: callable by the buttons, the highest and lowest value since the start (or reset) of
the logger is saved here.

- Min-/max- alarm function: the exceeding of adjustable min-/max- alarm boundaries by the displayed value
is monitored. Optional: alarm output for alarm message of the logger available!

Specification

Measuring range, Display ranges:

Humidity: 0,0 ... 100,0 %RH

Temperature: -25,0 ... +60,0 °C

Air pressure: 300,0 ... 1100,0 hPa

Additional available display ranges:

Wet bulb temperature: -27,0 ... 60,0 °C

Dewpoint temperature: -40,0 ... 60,0 °C

Enthalpy: -25,0 ... 999,9 kJ/kg

Atmospheric humidity: -0,0 ... 640,0 g/kg

Absolute humidity: 0,0 ... 200,0 g/cm³

Resolution display and memory:

0.1 °C, 0.1 %RH and 0,1 hPa or 1 digit

Accuracy:

Humidity: ± 2 % in range 10-90%

Temperature: ± 0,3 °C ± 0.017 * (T - 25°C)

Air pressure: ± 1.0 hPa (typ.. at 0 - 60°C)

Sensoren:

Humidity/Temp.: sensor mounted in sensor tube
(sensor is exchangeable)

Air pressure: sensor integrated in housing

Sensor tube: Ø15 mm made of polyamide

Protection cap: screw-type plastic protection
cap for quick responses

Display: two 4½-digit LC-displays

Recording interval: 4 sec. to 5 h
free programmable via buttons on the device or
via the software GSOFT 40K

Storage capacity: 250.000 data sets (humidity,
temperature, air pressure)
in max. 64 recording sequences

The new generation of the logger series

- double display (i.e. to display humidity and temperature at the same time)
- up to 64 recording sequences can be saved
- big storage for up to 250.000 measuring values for each unit (humidity, temperature, air pressure, ...) (= 1.000.000 values for all)
- Various additional measurement categories are available: dew point temperature, wet bulb temperature, enthalpy, atmospheric humidity or absolute humidity

Recording time: 7 years (at 15 min. interval)

Battery service life: approx. 5 years (at 15 min)

Working temperature: -25 to +60°C

Storage temperature: -30 to +70°C

Interface: EASYBus-interface

3-pin mini-integral plug.

Needed connection-cable EBSK01 not included
in delivery (see accessories page 76)

*Note: With an according interface converter you
can connect 120 logger to one RS232-interface
without having any problems.*

Housing: 48,5 x 48,5 x 35,5 mm (H x W x D)
sensor and plug not included.

Housing made of shock resistant
plastic, transparent front made of
polycarbonate, splash water-proof:
IP 65 (excl. protection cap)

Noise immunity (EMC): the EASYLOG have
been manufactured in accordance with the regu-
lations concerning EMC (2004/108/EG).

The device meets EN61326 (appendix A, class B)
additional error: < 0,5%

Options (for extra charge)

- **ALARM: additional alarm-output**
open-collector output via 4-pole miniature
mounting connector (IP65) including 1m cable.
Max. switching power: 28V, 50mA

Please Note: For trademark reasons we currently do not deliver members of the EASYLog family to GB and USA. Please order there the constructional identical types: Logger type 40K, Logger type 40RF, ...