

## STATE-LOGGER

for state monitoring etc.

E.A.S.Y.Bus  
- Modul



**STATE DATA LOGGER**  
(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)

**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 93)

*Note: With an according interface converter  
you can connect 120 logger 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 EN 61326-1 (table 2, class B)  
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 - DATA LOGGER**  
(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/temperature/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 unauthorised handling.

The device supports the display of units relevant for the air conditioning technology: wet bulb temperature, 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

**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 93)

*Note: With an according interface converter  
you can connect 60 logger 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 EN 61326-1 (table 2, 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, ...