Handheld instrument
Display / Controller
Logger / EASYBus
Transmitter
Temperature probe
Alarm / Protection

HUMIDITY-/TEMPERATURE-LOGGER
for museums, greenhouses, medicine technology etc.

E.A.S.Y.Bus - Modul

EASYLOG 24RFT

EASYLOG 24RFT-E

STANDARD SIGNAL LOGGER
replaces for expensive recorders

E.A.S.Y.Bus - Modul

EASYLOG 40NS W

HUMIDITY- / TEMPERATURE-REGISTRATION
(48.000 measuring values each) for climate monitoring.

EASYLOG 24RFT
EASYLOG 24RFT-E

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

Specification

Measuring range, Display ranges:
 Humidity: 0,0 ... 100,0 %RH
 Temperature: -25,0 ... 60,0 °C
Display-Options:
Alternative display will shown instead of humidity measuring value.
 FK: Wet bulb temperature: -27,0 ... 60,0 °C
 TP: Dewpoint temperature: -40,0 ... 60,0 °C
 EP: Enthalpy: -25,0 ... 999,9 kJ/kg
 FG: Atmospheric humidity: -0,0 ... 640,0 g/kg
Resolution display and memory:
0.1 °C and 0,1 %RH or 1 digit
Accuracy (at nominal temperature = 25°C)**:**
 Humidity: ≤ ±3 % in range 11-90%
 Temperature: ±0,5°C
Sensors: high-quality capacitive polymer humidity sensor and Pt1000 temperature sensor

Sensor tube:
EASYLOG 24RFT: Ø15mm made of polyamide
EASYLOG 24RFT-E: approx. Ø14 x 68mm made of PVDF, connected to logger via 1m teflon cable
Protection cap: screw-type plastic protection cap for quick responses
Display: LCD-display, 10 mm high
Recording interval: 4 sec. to 5 h
free programmable via software GSOFT 40K
Storage capacity: 48.000 measuring values each channel
Recording time: 500 days, (if recording interval is 15 min.)
Battery service life: approx. 6 years (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 78)
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 (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 regulations concerning EMC (2004/108/EG). The device meets EN50081-1 and EN50082-1 additional error: < 0,5%

Options (for extra charge)

- **FK: Wet bulb temperature**
- **TP: Dewpoint temperature**
- **EP: Enthalpy**
- **FG: Atmospheric humidity**
- **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

Accessories (p.r.t. page 76, 78/79)

EBW 1
Level converter for connection of up to 9 EASY-Bus data logger to the RS232-interface of a PC. (Power supply: 230V/50Hz)

EBW 3
Level converter for connection of one EASYBus data logger to the USB-interface of a PC. (Power supply: via USB)

GSOFT 40K incl. EBSK01
(connection cable EBSK01 in scope of supply) Windows software for setting of device, data readout and printing of the stored data. *(for further description p.r.t. page 67)*

EBSK 01
Special connector with approx. 1m cable for the connection of one **EASYLOG**. *(note: cable is in scope of supply of the software GSOFT 40K)*

STANDARD SIGNAL REGISTRATION
(48.000 meas. values) for transducers etc.

EASYLOG 40NS W - ...
(with elbow type plug)

EASYLOG 40NS K - ...
(with PG glanding and cable)

Note: please specify standard signal desired when ordering

Specification

Display range: -1999 to 9999 Digit *free programmable*
Decimal point: any position
Input signals: *one signal only!*
 0 - 2 V, 0 - 10 V, 0 - 20 mA or 4 - 20 mA other input signals upon request *(input is not isolated for EASYBus)*
Accuracy: ±0,5% (at nom. temperature)
Display: 10 mm high LCD-display
Recording interval: 2 sec. to 5 h *free programmable via software GSOFT 40K*
Storage capacity: 48.000 measuring values
Recording time: 500 days, (if recording interval is 15 min.)
Battery service life: approx. 6 years (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 78)
Housing: 48,5 x 48,5 x 35,5 mm (L x B x H) (with elbow-plug: 48,5 x 48,5 x 35,5 mm), splash water-proof IP65
Electric connection: (for input signals)
 ... 40NS W: elbow-plug in accordance with DIN43650 for connection to an existing transmitter.
 ... 40NS K: approx. 0.5 m connection cable
Noise immunity (EMC): the **EASYLOG** have been manufactured in accordance with the regulations 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

Attention: Our software GSOFT40K as well as a level converter (EBW1, EBW3, EBW64 or EB2000MC) are required for all **EASYLOG** devices for configuration and to read-out logger data. (p.r.t. p. 67 a. 76)