

HUMIDITY-/TEMPERATURE-LOGGER

for museums, greenhouses, medicine technology etc.



EASYLog 24RFT



EASYLog 24RF-E

HUMIDITY-/TEMPERATURE-REGISTRATION

(48.000 meas. values each) for climate monitoring.

EASYLOG 24RFT

EASYLOG 24RFT-E

Cert. of calibration humidity
(meas. points approx. 20/40/60/80%)

Display range options:

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

Specification:

Measuring range:

Humidity: 0.0 ... +100.0 %RH
Temperature: -25.0 ... 60.0 °C

Display-option:

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:

0.1 °C and 0.1 %RH or 1 digit

Resolution memory:

0.1 °C and 0.1 %RH or 1 digit

Accuracy: (at nominal temperature = 25°C)

Humidity: $\leq \pm 3 \%$ in range of 11-90%
Temperature: $\pm 0,5^\circ\text{C}$

Sensors: high-quality capacitive polymer humidity sensor and Pt1000 temperature sensor

Sensor tube:

- ...**24RF:** $\varnothing 15\text{mm}$, made of polyamide
- ...**24RF-E:** $\varnothing 14 \times 68\text{mm}$ tube of aluminum, connected to logger via 1m teflon cable

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

Display: LCD-display, 10 mm high

Recording rate: 4 sec. to 5 h programmable with software GSOFT 40K

Recording time: 500 days (if recording rate is 15 min)

Storage capacity for meas. values:
48.000 measuring values each channel

Working temperature: -25 to +60 °C

Storage temperature: -30 to +70 °C

Battery service life: approx. 6 years (if recording rate is 15 min.) Double life against upcharge.

Interface: **EASYbus**-interface, 3 pin mini-integral plug.

Needed connection-cable EBSK01 not included in delivery (see accessories page 67)
Note: With an according interface converter you can connect 150 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 incl.

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:

- **DBK: double battery life**
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 67)

EBW1

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

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 (diagram or table).
(for further discription p.r.t. page 64)

EBSK 01

Special connector with approx. 1m cable for the connection of one **EASYLog**.
(in scope of supply of the software GSOFT 40K)

Note for all loggers:

we suggest double battery capacity when working with fast recording rates.

STANDARD SIGNAL LOGGER

replaces for expensive recorders



EASYLog 40NS W

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:

Measuring range: -1999 to 9999 digits 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**)

Display resolution: 1 digit

Memory resolution: 1 digit

Accuracy: $\pm 0.5\%$ (at nominal temperature = 25°C)

Display: 10 mm high LCD-display

Recording rate: 2sec to 5h (selectable)

Recording time: 500 days (if recording rate is 15 min)

Storage capacity for meas. values:
48000 measuring values

Working temperature: -25 to +60° C

Storage temperature: -30 to +70° C

Battery service life: approx. 6 years (if recording rate is 15 min. Double life against upcharge)

Interface: **EASYbus**-interface 3 mini-integral plug. Needed connection-cable EBSK01 not included in delivery (see accessories page 67)

Housing: 48.5 x 48.5 x 35.5 mm (H x W x D), (with elbow-plug: 50.5 x 90 x 39.5 mm) splash water-proof. IP 65

Electric connection: (for input signals)

- **EASYLog 40NSW:** elbow-plug in accordance with DIN43650 for connection to an existing transmitter.

- **EASYLog 40NSK:** 0.5m connection cable.

Noise immunity (EMC):

refer to **EASYLog 24RFT...**

Options:

- **DBK: double battery life**
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

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, ...