Handheld instrument

Display / Controller

Logger / EASYBus

Transmitter

Temperature probe

Alarm / Protection

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

EASYLOG 24RFT

EASYLOG 24RFT-E

HUMIDITY / TEMPERATURE DATA LOGGER
(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

Resolution display and memory:
0.1 °C and 0,1 %RH

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 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 (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 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

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 EBSK01in scope of supply) Windows software for setting of device, data readout and printing of the stored data.
 (for further description p.r.t. page 90)

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 LOGGER
replaces for expensive recorders

EASYLOG 40NS W

STANDARD SIGNAL DATA LOGGER
(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)

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)

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 EN 175301-803/A 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 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

<u>**Attention:**</u> **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. 89 a. 92)