Humidity-/Temperature-Logger

EASYLOG 24RFT

E.A.S.Y.Bus - Modul

FOR MUSEUMS, GREENHOUSES, MEDICINE TECHNOLOGY ETC.

EASYLOG 24RFT-E

E.A.S.Y.Bus - Modul

EASYLOG 24RFT
Humidity-/Temperature-Data-Logger (48.000 measuring values each) for individual use.

EASYLOG 24RFT-E
Humidity-/Temperature-Data-Logger (48.000 measuring values each) for individual use.

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:	approx. Ø 15 mm made of polyamide
EASYLOG 24RFT-E:	approx. Ø 14 x 68 mm made of PVDF, connected to logger via 1 m teflon cable
Protection cap:	screw-type plastic protection cap for quick responses
Display:	LCD-display, 10 mm high
Recording interval:	4 s ... 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 ... +60 °C
Storage temperature:	-30 ... +70 °C
Interface:	EASYBus-interface 3-pin mini-integral plug. Needed connection-cable EBSK01 not included in delivery (see accessories page 99) **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:

- **DBK:**
  double battery capacity, recommended for high measure-rates
- **ALARM:**
  additional alarm-output, open-collector output via 4-pole miniature mounting connector (IP65) including 1 m cable. Max. switching power: 28 V, 50 mA
- **WPF4**
  Certificate of calibration humidity (measuring points: approx. 20 / 40 / 60 / 80 %)

Accessories and spare parts:

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

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 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 96)

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

Standard Signal Logger

EASYLOG 40NS W

REPLACES FOR EXPENSIVE RECORDERS

E.A.S.Y.Bus - Modul

EASYLOG 40NS W - ...
Standard Signal Data Logger (48.000 meas. values) for transducers etc. (with elbow type plug)

EASYLOG 40NS K - ...
Standard Signal Data Logger (48.000 meas. values) for transducers etc. (with PG glanding and cable)

Note:
please specify standard signal desired when ordering

Specification:	
Display range:	-1999 ... 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 nominal temperature)
Display:	10 mm high LCD-display
Recording interval:	2 s ... 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 ... +60 °C
Storage temperature:	-30 ... +70 °C
Interface:	EASYBus-interface 3-pin mini-integral plug. Needed connection-cable EBSK01 not included in delivery (see accessories page 99)
Housing:	48.5 x 48.5 x 35.5 mm (L x W x D) (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 %

Option:

- **DBK:**
  double battery capacity recommended for high measure-rates
- **ALARM:**
  additional alarm-output open-collector output via 4-pole miniature mounting connector (IP65) including 1 m cable. Max. switching power: 28 V, 50 mA

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. 95 a. 98)

Handheld instrument

Display / Controller

Logger / EASYBus

Transmitter

Temperature probe

Alarm / Protection