

TEMPERATURE LOGGER

for watching production and server-rooms as well as cooling chambers according assignment of frozen food 92/1/EWG

**EASYLog 40K****EASYLog 40KH**

**DIN EN
12830**

TEMPERATURE DATA LOGGER (48.000 meas. values) for any application.

EASYLog 40K sensor tube are attached on the device

EASYLog 40KH sensor tube are connected via 1 m cable

EASYLog 40KH-E300 tube con. via cable, increased meas. range (0,1°C)

EASYLog 40KH-E600 tube con. via cable, increased meas. range (1°C)

EASYLog 40KH-GOF with surface probe for pipe mounting

WPT3 - Certificate of calibration (not available at ..40KH-GOF)
(measuring points: -20°C / 0°C / +60°C (at ..40K) or -20°C / 0°C / +70°C (at ..40KH))

Specification**Measuring ranges:**

EASYLog 40K: -30.0 ... 60.0 °C

EASYLog 40KH: -50.0 ... 150.0 °C

EASYLog 40KH-E300: -50.0 ... 300.0 °C

EASYLog 40KH-E600: 0 ... 600 °C

EASYLog 40KH-GOF: -50.0 ... 150.0 °C

For special measuring ranges refer to options

Working range (electronic): -25 ... 60°C

Resolution display and memory:

0.1°C or 1°C (corresponding type)

Accuracy (at nominal temperature = 25°C):

EASYLog 40K: ±0.5°C

EASYLog 40KH: ±0.5°C

EASYLog 40KH-E300: ±0.5°C ±0.2% of m.v.

EASYLog 40KH-E600: ±1°C ±0.2% of m.v.

EASYLog 40KH-GOF: ±0.5°C ±0.2% of m.v.

Sensor: Pt1000 (2-wire)

- **Design 40K:** (refer upper picture)

sensor tube made of plastic, Ø7 mm, approx. 30 mm long, attached on the device.

(Note: at certificate: stainless steel tube, Ø5 mm, approx. 60 mm long)

- **Design 40KH:** (refer upper picture)

sensor tube made of stainless steel, Ø5 mm, approx. 50 mm long, approx. 1 m silicone cable. Cable with anti-buckling glanding to housing.

- **Design 40KH-E300:** (probe picture below)

sensor tube made of stainless steel, Ø3 mm, approx. 100 mm long, sleeve Ø5 x 50 mm, approx. 1 m glass silk cable. Cable with anti-buckling glanding to housing.

- **Design 40KH-E600:** (probe picture below)

self-adhesive surface temperature probe with moulded silicone design (type GOF 115 Pt1000 - please refer to page 133)

approx. 2 m PFA-insulated cable. Cable with anti-buckling glanding to housing.

- **Special design types upon request**

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 (electronic): -30 to +60 °C

Storage temperature: -40 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 (W x W x D)
sensor and plug not included, IP65.

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%

Approvals: DIN EN 12830

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 1 m cable. Max. switching power: 28 V, 50 mA

- **AFK: plugable probe-cable**
4-pole (IP65) miniature mounting connector including assembling of the temperature-probe to the corresponding connection socket

- **SMB: extra measuring range**
freely selectable between -200...+600°C. The essential probe-adjustment is not included in this price.
Note: at a measuring span ≤400°C (e.g. ± 200°C) a resolution of 0,1°C is possible. Taller ranges have a resolution of 1°C

PULSE-LOGGER

for consumption and flow rate measuring, piece counting etc.

**PULSE DATA LOGGER**

(48000 meas. values) for individual use

EASYLog 40IMP/S

(type switching contact - with PG-glanding and cable)

EASYLog 40IMP/T

(type TTL-signal - with PG-glanding and cable)

Specification

Measuring range: 0 ... 30000 pulses/cycle

Resolution: 1 pulse

Cycle: 2 sec. to 5 h,
free programmable via software GSOFT 40K

Display range: -1999 to 9999 Digit
free programmable

Decimal point: any position

Input signals:
EASYLog 40IMP/S: passive volt-free switching contact

EASYLog 40IMP/T: active TTL-signal
(input is not isolated for EASYBus)

Resolution display and memory: 1 digit

Accuracy: cycle time ±50 msec

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)

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 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