# Temperature Logger for watching production and server-rooms

# Pulse-Logger



*EASYLOG 40K*

**E.A.S.Y.Bus - Modul**

**DIN EN 12830**

*EASYLOG 40KH*

**WK**

AS WELL AS COOLING CHAMBERS ACCORDING ASSIGATION OF FROZEN FOOD 92/1/EWG

FOR CONSUMPTION AND FLOW RATE MEASURING, PIECE COUNTING ETC.

**E.A.S.Y.Bus - Modul**



## EASYLOG 40K
*Product-ID: 600542*
Temperature Data Logger (48.000 meas. values) for any application, sensor tube are attached on the device

## EASYLOG 40KH
*Product-ID: 600544*
Temperature Data Logger (48.000 meas. values) for any application, sensor tube are connected via 1 m cable

## EASYLOG 40KH-E300
*Product-ID: 600547*
Temperature Data Logger (48.000 meas. values) for any application, tube connected via cable, increased measuring range (0.1 °C)

## EASYLOG 40KH-E600
*Product-ID: 600549*
Temperature Data Logger (48.000 meas. values) for any application, tube connected via cable, increased measuring range (1 °C)

## EASYLOG 40KH-GOF
*Product-ID: 60551*
Temperature Data Logger (48.000 meas. values) for any application, with surface probe for pipe mounting

### 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):** | -30 ... +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, Ø 7 mm, approx. 30 mm long, attached on the device. (Note: at certificate: stainless steel tube, Ø 5 mm, approx. 60 mm long) |
| **- Design 40KH:** (refer upper picture) | sensor tube made of stainless steel, Ø 5 mm, approx. 50 mm long, approx. 1 m silicone cable. Cable with anti-buckling glanding to housing. |
| **- Design 40KH-E300:** (without picture) | sensor tube made of stainless steel, Ø 3 mm, approx. 100 mm long, sleeve Ø 5 x 50 mm, approx. 1 m glass silk cable. Cable with anti-buckling glanding to housing. |
| **- Design 40KH-E600:** (without picture) | sensor tube made of stainless steel, Ø 3 mm, approx. 100 mm long, sleeve Ø 5 x 50 mm, flexible coating-element, approx. 1 m silicone cable. Cable with anti-buckling glanding to housing. |
| **- Design 40KH-GOF:** (without picture) | self-adhesive surface temperature probe with moulded silicone design (type GOF 115 Pt1000 - p.r.t. p. 140), 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 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 (if recording interval is 15 min.) |
| **Working temperature (electronic):** | -30 ... +60 °C |
| **Storage temperature:** | -40 ... +70 °C |
| **Interface:** | EASYBus-interface, 3-pin mini-integral plug. Needed connection-cable EBSK01 not included in delivery (see accessories page 104) **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:

**- DBK:**
double battery capacity recommended for high measurerates

**- 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

**- 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))

## EASYLOG 40IMP/S
*Product-ID: 600553*
Pulse Data Logger (48000 measuring values) for individual use (type switching contact - with PG-glanding and cable)

## EASYLOG 40IMP/T
*Product-ID: 600555*
Pulse Data Logger (48000 measuring values) for individual use (type TTL-signal - with PG-glanding and cable)

### Specification:

| | |
|---|---|
| **Measuring range:** | 0 ... 30000 pulses/cycle |
| **Resolution:** | 1 pulse |
| **Cycle:** | 2 s ... 5 h, free programmable via software GSOFT 40K |
| **Display range:** | -1999 ... 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 ms |
| **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 ... +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 104) |
| **Housing:** | 48.5 x 48.5 x 35.5 mm (L x W x D) plug and cable not included, IP65 |
| **Electric connection:** | (for input signals) approx. 0.5 m 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:

**- 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