

**Product Information**

**Sensors and Instrumentation**

**Temperature Logger**  
**EASYLog 40K**  
**EASYLog 40KH**  
**EASYLog 40KH-300**  
**EASYLog 40KH-600**  
**EASYLog 40KH-GOF**

**Design types**

..40K	Sensor tube made of plastic, Ø 7.5 mm, 30 mm long, attached on device
..40KH	Sensor tube made of stainless steel, Ø 5 mm, 50 mm long, 1 m silicone cable, cable attached on housing with kink protection
..40KH-E300	Sensor tube made of stainless steel, Ø 3 mm, 100 mm long, sleeve Ø 5 x 50 mm, 1 m glass silk cable, cable to housing with kink protection
..40KH-E600	Sensor tube made of stainless steel, Ø 3 mm, 100 mm long, flexible coating element, sleeve Ø 5 x 50 mm, 1 m silicone cable, cable attached on housing with kink protection
..40KH-GOF	Self-adhesive surface temperature probe with silicone coating for pipe mounting, 2m PFA insulated cable, cable attached on housing with kink protection



EASYLog 40KH ...

EASYLog 40K

- High battery capacity for long recording duration
- Data memory for 48,000 values
- Long-term monitoring of temperature

**Characteristics**

The loggers EASYLog 40K and -40KH are designed for long-term monitoring of temperatures, especially in production and server rooms as well as cold storage houses.

EASYLog 40K and -40KH can be used for long-term recording of temperature. Up to 48,000 measured values can be stored.

The combination of low power consumption and high battery capacity ensure long recording duration. The loggers are equipped with a display showing the measured temperature and the operating state of the logger at any time. The industrial housing is splash-water-proof (IP65)

**Technical data**

Sensor element	: Pt1000 (2-wire)
<b>Measuring ranges</b>	
EASYLog 40K	: -25.0..+60.0 °C
EASYLog 40KH	: -50.0..+150.0 °C
EASYLog 40KH-E300	: -50.0..+300.0 °C
EASYLog 40KH-E600	: -50.0..+600.0 °C
EASYLog 40KH-GOF	: -50.0..+150.0 °C
<b>Accuracy</b>	
Sensor	: DIN class B
Electronics	: 40K: ±0.5 °C
	: 40KH: ± 0.5 °C
	: 40KH-E300: ±0.5 °C ±0.2 % of m.v.
	: 40KH-E600: ±1 °C ±0.2 % of m.v.
	: 40KH-GOF: ±0.5 °C ±0.2 % of m.v.
<b>Working temperature</b>	: -25..+60 °C (electronics)
<b>Storage capacity</b>	: 48.000 measured values
<b>Recording</b>	: interval 2 s to 5 h / duration 500 days (at 15 min recording interval)
<b>Power supply</b>	: battery operation, service life approx. 6 years (at 15 min recording interval)
<b>Interface</b>	: EASYBus interface, 3-pin mini built-in plug
<b>Housing</b>	: ABS
<b>Protection class</b>	: IP65

**Dimensions**

Housing	: 48.5 x 48.5 x 35.5 mm plug and cable not included
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**Product Information**

**Ordering code**

EASYLog -  1. -  2.

<b>1. Design type</b>	
40K	as per description
40KH	as per description
40KH-E300	as per description
40KH-E600	as per description
40KH-GOF	as per description
<b>2. Options (combination of multiple options upon request)</b>	
000	without option
DBK	double battery capacity (recommended for fast measuring rates)
ALARM	additional alarm output open-collector-output, 4-pin mini built-in plug (IP65) incl. 1 m connection cable, max. switching power: 28 V, 50 mA
AFK	plug-able probe-cable 4-pin mini build-in plug (IP65) incl. assembling of the temperature probe to the corresponding con- nection socket
SMB	special measuring range freely selectable between -200..+600 °C (state special measuring range separately)

**Necessary accessories**

The EASYLog 40K... is programmed, started and read via its EASYBus interface. Following accessories are required:

- interface converter  
RS232 – EASYBus: EBW 1, EBW 64, EBW 240  
or USB – EASYBus: EBW 3
- GSOFT 40K (as of Version 5.0) to start logger and read logger data incl. 1x EBSK 01 connection cable
- EBSK 01 / EBSK 03 (1m or 3m): connection cable from in-terface converter to EASYLog

**Note:** 1x EBSK 01 (1m) is in scope of delivery of software software GSOFT 40K.