

HL-1D / BL-1D / TL-1D

Firmware-Version 4.0 (Valid from Aug 2019) **Change Control**

This hard- and software update 4.0 extends all functions and features of the last generation of HL-1D / BL-1D & TL-1D (Version 3.1 and previous versions) with the following modifications and additions:

Enhancements/Improvements:

- Change of low battery threshold: The low battery appear threshold from 2.55V to now **2.6V**
Impact: Battery lifetime change up to one year
- Battery Icon: The low battery sign can also appear if the average power consumption multiplied with the number of records is higher than 760mAh, even the battery voltage is still higher than 2.6V.

Bugs fixed:

- None

Known bugs:

- None

Notes:

- Version 3.1 is used up first from stock (Flowing transition). The new version is labeled 4.0.

HL-1D / BL-1D / TL-1D

Firmware-Version 3.1 (Valid from Nov 2018) **Change Control**

This hard- and software update 3.1 extends all functions and features of the last generation of HL-1D / BL-1D & TL-1D (Version 3.0 and previous versions) with the following modifications and additions:

Enhancements/Improvements:

- None

Bugs fixed:

- Reading jump suddenly while logger is linked with PC continuously

Known bugs:

- None

Notes:

- None

HL-1D / BL-1D / TL-1D

Firmware-Version 3.0 (Valid from Jul 2017) **Change Control**

This hard- and software update 3.0 extends all functions and features of the last generation of HL-1D / BL-1D & TL-1D (Version 2.0 and previous versions) with the following modifications and additions:

Enhancements/Improvements:

- Change of temperature measuring range from
- 20°C change to -30°C

Bugs fixed:

- None

Known bugs:

- None

Notes:

- None

HL-1D / BL-1D / TL-1D

Firmware-Version 2.0 (Valid from Aug 2015) Change Control

This hard- and software update 3.0 extends all functions and features of the last generation of HL-1D / BL-1D & TL-1D (Version 2.0 and previous versions) with the following modifications and additions:

Enhancements/Improvements:

- Memory storage change from 32000 change to 64000

Bugs fixed:

- None

Known bugs:

- None

Notes:

- The power consumption and battery life time depends on the log-interval of the device. The higher the log-interval the less the power is used. The most power is used when the device is turned on but not logging (real-time display) what leads to a battery life time of around 300 days. To increase the battery life time the user should turn off the device when not logging or choose a bigger logging interval.