

## Kvaser Memorator HS/HS



**Kvaser Memorator is a dual channel, intermediate performance, CAN bus interface and standalone Datalogger. Standalone mode logs data to an expandable SD card slot; interface mode connects to the PC with USB1.1. One CAN channel is for High-Speed CAN, while the second CAN channel can be High-Speed (EAN# 00175-6), Low-Speed CAN (EAN# 00170-1), or Single-Wire CAN (EAN# 00234-0). Features included: Message Filtering, Triggers, an expandable SD Card slot.**

Kvaser Memorator makes it possible for you to log data from a CAN bus to a standard SD or MMC disk. Kvaser Memorator provides a dual channel CAN bus interface with a standard USB interface and is delivered with a SD disk. Support for High-Speed, Low-Speed and Single-Wire CAN through different product versions.

Kvaser Memorator has a USB connection and can be used as a powerful CAN to USB interface (like our USBcan II adapter) as well as a standalone CAN data logger - two products in one! As a data logger, it is for example perfect as a flight recorder due its compact design. A great advantage is that all configurations are made with a user-friendly configuration program and are stored on the flash disk. It makes it both easy and convenient to set configurations with the PC and download it to Kvaser Memorator for use in the field.

### Functions in Kvaser Memorator

#### Triggers

Kvaser Memorator can log continuously, or logging can be triggered by external triggers (rising or falling edge) and/or by messages and signals on the CAN bus (triggered by identifier, or data contents.) Pre- and post-triggers are available.

#### Filters

To enhance logging performance, Kvaser Memorator can filter out selectable messages to be logged. The identifiers can be picked from a database, or all messages can be logged.

#### Memory cards

Standard MMC or SD type flash memory cards can be used. Larger memory cards, up to 1 GB, can be used. See our support pages for more information.

#### Configuration software in the PC

- Configuration of the CAN controller, i.e. bit rate and filters.
- Configuration of the trigger conditions.
- Configuration of filter for messages to be stored.
- Configuration upload and download via USB.

#### Major features of Kvaser Memorator

- One device for desktop and laptop.
- Quick and easy plug-and-play installation.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- CAN messages are time-stamped with 10 microseconds resolution.
- Large on-board RAM buffer for CAN messages.
- Supports "listen-only" mode for bus analysis tools.
- Driver support for major operating systems.
- 100% compatible with applications written for Leaf, LAPcan, PCican, PCcan and USBcan with Kvaser's CANlib.
- One SD/MMC connector that accepts SD or MMC flash disks, currently up to 1 GB.
- One CAN connection ISO-11898 high-speed, 50kbit/s up to 1 Mbit/s (Philips TJA1050).
- Optional, second CAN connection that can be either high-speed (TJA1050), low-speed (Philips TJA1054), or single-wire (AU5790)
- One USB 1.1 connection (12 Mbit/s). This connection is compatible with USB 2.0.
- Power from CAN bus or from the USB side.
- Built-in real time (calendar) clock with battery backup.
- Logger status is indicated with four externally visible LEDs.
- Plastic housing with dimension WLH about 509025 mm (circa 2 x 3,5 x 1 inch)

### Technical Data

#### Kvaser Memorator HS/HS

|                    |                |
|--------------------|----------------|
| Galvanic Isolation | No             |
| Bitrate            | 50-1000 kbit/s |

|                               |                  |
|-------------------------------|------------------|
| Silent mode                   | Yes              |
| Error frame generation        | Yes              |
| Error frame detection         | Yes              |
| Weight                        | 150g             |
| Timestamp resolution          | 30µs             |
| On board buffer               | Yes              |
| Maximum message rate, send    | 6000             |
| Maximum message rate, receive | 12000            |
| Sound                         | No               |
| Clock synchronization         | N/A              |
| Dimensions (WxLxH)            | 50x90x25mm       |
| Temperature range             | -25°C to +85°C   |
| Order number                  | 73-30130-00175-6 |

*The information herein is subject to change without notice*