



Kvaser Memorator Professional HS/HS

EAN: 73-30130-00351-4

NOTE: The Kvaser Memorator Professional HS/HS (73-30130-00351-4) has been marked "Not For New Designs". Existing customers are encouraged to migrate to the [Kvaser Memorator Pro 2xHS v2 \(73-30130-00819-9\)](https://www.kvaser.com/products/kvaser-memorator-pro-2xhs-v2/).

For more information, please [contact us](#).

Kvaser Memorator Professional HS/HS is a two channel, high performance, CAN (controller area network) bus interface and data logger. Standalone mode logs data to an expandable SD card slot; interface mode connects to the PC using USB2.0. As a data logger, the Kvaser Memorator Professional is the perfect tool to capture irregular faults in the field or perform remote diagnosis. Advanced configuration features such as message filtering, triggers and error detection mode are made with a user-friendly configuration program (Kvaser's Memorator Tools software) and stored on the flash disk.



Major Features

- One device for desktop and laptop, combining a standalone CAN bus data logger and a USB CAN bus interface.
- Quick and easy plug-and-play installation.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B) identifiers.
- CAN messages are time-stamped with 2 microseconds resolution.
- Large on-board RAM buffer for CAN messages.
- Two High Speed CAN connections (ISO-11898-2), 10 kbit/s up to 1 Mbit/s.
- Galvanic isolation to protect the hardware.
- Power from CAN bus or from the USB side.
- Built-in real time (calendar) clock with battery backup.
- Logger status is indicated with five externally visible LEDs.
- Driver support for major operating systems.
- Support for Kvaser Linx J1587.
- Support for SocketCAN, see linux.org for details.
- NOTE: Product ships with Commercial Grade SD card (-20 to +70°C). Industrial Grade SD cards (-40 to +85°C) are available for additional purchase. [Contact your local Kvaser office](#) for details.

Filters

- Log continuously, or logging can be triggered by creating advanced triggers based on messages, data signal values, error messages, external trigger's falling or rising edge, and I/O signals.
- Pre- and post-triggers are available without buffer size restrictions, limited by disk space only.
- Filter out selectable messages and/or signals to be logged. The identifiers can be picked from a database, or all messages can be logged.
- Support for pass as well as stop filters.
- Create a counting pass filter to have a message logged at enumerated occurrence.
- Handles up to 20,000 msgs/s in standalone logger mode.



- External digital output that can drive an LED or a buzzer.
- Less than 250 ms boot up time.
- Supports Silent Mode - Log bus traffic safely without interfering and "listen-only" mode for bus analysis tools.

Memory Cards and Functions

- Standard MMC or SD type flash memory cards can be used up to 2GB.
- Support up to 32GB SDHC cards.
- Set up several devices in a daisy chain for larger logging capacity.
- Transfer recorded data over the USB interface at 1.4 MB/s or an SD card reader at 15 MB/s.
- NOTE: Product ships with Commercial Grade SD card (-20 to +70°C). Industrial Grade SD cards (-40 to +85°C) are available for additional purchase. [Contact your local Kvaser office](#) for details.

Configuration Software in the PC

- Easy to use graphic configuration tool - Memorator Tools.
- 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.
- Using the included Kvaser Dispatcher software, a complete measurement setup can be turned into a self-installing package that is sent to a remote location to carry out a specific logging task.

Warranty

- 2-Year Warranty. See our General Conditions and Policies for details.

Support

- Free Technical Support on all products available by contacting support@kvaser.com.



Software

- Documentation, software and drivers can be downloaded for free at www.kvaser.com/downloads.
- Kvaser CANLIB SDK is a free resource that includes everything you need to develop software for the Kvaser CAN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, and Visual Basic.
- All Kvaser CAN interface boards share a common software API. Programs written for one interface type will run without modifications on the other interface types!
- J2534 Application Programming Interface available.
- RP1210A Application Programming Interface available.
- On-line documentation in Windows HTML-Help and Adobe Acrobat format.



TECHNICAL DATA - KVASER MEMORATOR PROFESSIONAL HS/HS

| | |
|---------------------------------|---------------------|
| DATABASE DBC SUPPORT | Yes |
| SOUND | No |
| PRODUCT GROUPS | CAN Loggers |
| RUGGED | No |
| ERROR FRAME GENERATION | Yes |
| CLOCK SYNC | Yes |
| ON-BOARD TX BUFFER | Yes |
| ON-BOARD RX BUFFER | Yes |
| MINIMUM BITRATE (KBPS) | 5 |
| HEIGHT (MM) | 25 |
| TIMESTAMP RESOLUTION (US) | 2 |
| MAXIMUM BITRATE (KBPS) | 1000 |
| STATUS | Not for new designs |
| ERROR FRAME DETECTION | Yes |
| GALVANIC ISOLATION | Yes |
| WIDTH (MM) | 50 |
| CONNECTOR | DSUB 9 |
| IP CLASS | IP30 |
| MSGRATE TX MAX | 20000 |
| CASING MATERIAL | PC-ABS |
| EMBEDDED SCRIPT | No |
| CAN FD | No |
| MSGRATE RX MAX | 20000 |
| PC INTERFACE | USB |
| SILENT MODE | Yes |
| MAGISYNC | Yes |
| OPERATING TEMPERATURE RANGE (C) | -40.00 to 85.00 |

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Kvaser Memorator Professional HS/HS

| | |
|------------------------|---|
| WEIGHT (G) | 150.0 |
| LENGTH (MM) | 90 |
| CERTIFICATIONS | CE,RoHS |
| # OF CAN CHANNELS | 2 |
| CURRENT CONSUMPTION | ~5V and 130mA if powered from the USB and ~850mW if powered from the CAN bus. |
| INCLUDED CARD SIZE | 2GB |
| API, LICENCED | None |
| ERROR COUNTERS READING | Yes |
| NETWORK CHANNEL(S) | 2 x CAN HS |
| API, FREE | Kvaser API, J2534, RP 1210 |
| CB BOARD | No |
| ON-BOARD BUFFER | Yes |
| OPERATING SYSTEM | Win XP, Linux, Win 7, Win Vista, Win 10, Win 8 |
| MAX CARD SIZE | 16 |

The information herein is subject to change without notice