



## **KVASER MEMORATOR PRO 5XHS CB**

EAN 73-30130-00832-8

Kvaser Memorator Pro 5xHS CB is a five channel, high performance, CAN (controller area network) bus interface and standalone datalogger that allows users to monitor and collect data from up to five CAN channels using just one device. It is supplied 'bare board' i.e. without a housing, and can thus be built into any system. The Memorator Pro 5xHS CB supports CAN FD.

Configurable using Kvaser's Memorator Config Tool, Memorator Pro 5xHS CB is capable of running user-developed scripts, written in the Kvaser t programming language. Guidance in creating t programs is supplied. The device is also supported in CANlib, Kvaser's universal software development kit.

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## Major Features

- Monitor 5 CAN channels simultaneously using just one device, or connect the USB cable with a single 9 pin DSUB for single CAN channel monitoring.
- Automatically time synchronises the data transmitted and received across all five buses.
- Built-in Kvaser MagiSync™ technology time synchronises with other Kvaser interfaces connected to the same PC, resulting in simpler and more accurate multichannel data capture.
- Script functionality allows users to develop customised t-script applications written in the Kvaser t programming language.
- Plug and play installation, and a comprehensive user guide to help make t script development quick and easy.
- Log data to an expandable SD card slot.
- LED lights alert user to device status, including signalling a full SD card or card error.
- Power derived from the USB connection, CAN or an in-built power supply.
- Compatible with J1939, CANopen, NMEA 2000® and DeviceNet.
- Supports CAN FD.

## 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.
- Supports Silent Mode - Log bus traffic safely without interfering and "listen-only" mode for bus analysis tools

## Memory Cards and Functions

- Supports SD and SDHC memory card formats.
- Set up several devices in a daisy chain for larger logging capacity.

## 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.



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## Technical Data

Bitrate	40-1000 kbps
Temp Range	-40 - 85 °C
Timestamp	1
Messages Per Second Receive	20000 mps
Messages Per Second Sending	20000 mps
Weight	- g
Length	120 mm
Height	13 mm
Channels	5
Certificates	CE, RoHS
Interfaces	USB
Categories	PC Interfaces, Dataloggers
OS	Windows 10, 8, 7, Vista, XP, and Linux
Connectors	Molex 51021 PicoBlade™
Buffers	Auto RX Buffers, Auto TX Buffers, On Board Buffer
Galvanic Isolation	Yes
Error Frame Generation	Yes
Error Counters Reading	Yes
Silent Mode	Yes
Sound	No
Current Consumption	Up to 3W

### 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](mailto:support@kvaser.com)

### SOFTWARE

Documentation, software and drivers can be downloaded for free at:

[www.kvaser.com/downloads](http://www.kvaser.com/downloads)

Units are shipped with Kvaser TRX, a lightweight development environment.

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.

Online documentation in Windows HTML-Help and Adobe Acrobat format.