



Kvaser Memorator Pro 5xHS

EAN: 73-30130-00778-9

Kvaser Memorator Pro5xHS 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. Standalone mode logs data to an SD card; interface mode connects to the PC via USB. This device supports CAN FD.

Configurable using Kvaser's Memorator Config Tool, Memorator Pro 5xHS is also capable of running user-developed scripts, written in the Kvaser t programming language. Guidance in creating t programs is supplied.

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.
- Supports CAN FD, up to 8 Mbit/s (with proper physical layer).



- 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.
- Support for SocketCAN, see linux.org for details.
- NOTE: Product ships with Industrial Grade SD cards (-40 to +85°C). Additional cards are available for 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.



- 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.
- NOTE: Product ships with Commercial Grade SD card (-25to +85°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. Register your product atkvaser.com/getting-startedfor an additional 1-year Warranty Extension.

Support

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

Software



- Documentation, software and drivers can be downloaded for free at [kvaser.com/downloads](https://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 PRO 5XHS

OPERATING TEMPERATURE RANGE (C)	-40 °C to +85 °C
CLOCK SYNC	Yes
# OF CAN CHANNELS	5
WEIGHT (G)	150.0
CIRCUIT BOARD	No
MSGRATE RX MAX	20000
INCLUDED CARD SIZE	16GB
CURRENT CONSUMPTION	Up to 3W
INVENTORY	Call Us
API, LICENCED	None
ERROR FRAME GENERATION	Yes
ON-BOARD BUFFER	Yes
MSGRATE TX MAX	20000
ERROR FRAME DETECTION	Yes
HEIGHT (MM)	68
API, FREE	Kvaser API, J2534, RP1210
MAGISYNC	Yes
DATABASE DBC SUPPORT	Yes
WIDTH (MM)	23
RUGGED	No
CONNECTOR	26-pin HD D-SUB
CASING MATERIAL	PA66
MAXIMUM BITRATE (KBPS)	1000
IP CLASS	IP40
PROMOTIONAL_TEXT	Professional five channel standalone data logger and USB-to-CAN/CAN FD interface with t-Program.
MINIMUM BITRATE (KBPS)	40

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Kvaser Memorator Pro 5xHS

ON-BOARD TX BUFFER	Yes
PRODUCT GROUPS	CAN Loggers
STATUS	Active
CAN FD	Yes
ERROR COUNTERS READING	Yes
SILENT MODE	Yes
SOUND	No
NETWORK CHANNEL(S)	5 x CAN HS
GALVANIC ISOLATION	Yes
PC INTERFACE	USB
EMBEDDED SCRIPT	Yes
CERTIFICATIONS	CE,RoHS
OPERATING SYSTEM	Linux,Win 7,Win 10,Win 8
TIMESTAMP RESOLUTION (US)	1
LENGTH (MM)	170
MAX CARD SIZE	64+
ON-BOARD RX BUFFER	Yes

The information herein is subject to change without notice