Kvaser Memorator Professional HS/LS

EAN: 73-30130-00417-7

Kvaser Memorator Professional HS/LS 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.
- One High Speed CAN connection (ISO-11898-2); & One Low Speed CAN connection (ISO 11898-3).
- 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.
- 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/LS

CERTIFICATIONS	CE,RoHS
API, FREE	Kvaser API, J2534, RP1210
MINIMUM BITRATE (KBPS)	5
GALVANIC ISOLATION	Yes
PLAY BACK LOG FILE	Yes
CB BOARD	No
HEIGHT (MM)	25
OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00
NETWORK CHANNEL(S)	1 x CAN LS,1 x CAN HS
CB BOARD	No
OPERATING SYSTEM	Linux,Win Vista,Win 8,Win 7,Win XP
CLOCK SYNC	Yes
PC INTERFACE	USB
DATABASE DBC SUPPORT	Yes
CASING MATERIAL	PC-ABS
DATABASE DBC SUPPORT	Yes
LENGTH (MM)	90
ON-BOARD RX BUFFER	Yes
STATUS	Active
OPERATING SYSTEM	Linux,Win Vista,Win 10,Win 8,Win 7,Win XP
IP CLASS	IP30
API, FREE	Kvaser API, J2534, RP 1210
CLOCK SYNC	Yes
MAGISYNC	Yes
ON-BOARD BUFFER	Yes
OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00
SILENT MODE	Yes

CAN FD	No
ERROR FRAME GENERATION	Yes
ERROR COUNTERS READING	Yes
API, LICENCED	None
MSGRATE TX MAX	2000
PRODUCT GROUPS	CAN Loggers
WEIGHT (G)	150.0
SOUND	No
WIDTH (MM)	50
ON-BOARD TX BUFFER	Yes
MINIMUM BITRATE (KBPS)	5
ON-BOARD RX BUFFER	Yes
# OF CAN CHANNELS	2
ERROR FRAME DETECTION	Yes
API, LICENCED	
CONNECTOR	DSUB 9
MAGISYNC	Yes
ERROR COUNTERS READING	Yes
MAXIMUM BITRATE (KBPS)	1000
RUGGED	No
CURRENT CONSUMPTION	~5V and 130mA if powered from the USB and ~ 850mW if powered from the CAN bus.
IP CLASS	IP30
EMBEDDED SCRIPT	No
ERROR FRAME DETECTION	Yes
TIMESTAMP RESOLUTION (US)	2
WEIGHT (G)	150.0
CONNECTOR	DSUB 9

CERTIFICATIONS	CE,RoHS
TIMESTAMP RESOLUTION (US)	2
MSGRATE RX MAX	20000
SOUND	No
PRODUCT GROUPS	CAN Loggers
SILENT MODE	Yes
LENGTH (MM)	90
MSGRATE RX MAX	2000
STATUS	Active
ON-BOARD BUFFER	Yes
EMBEDDED SCRIPT	No
ON-BOARD TX BUFFER	Yes
PC INTERFACE	USB
RUGGED	No
WIDTH (MM)	50
GALVANIC ISOLATION	Yes
NETWORK CHANNEL(S)	1 x CAN LS,1 x CAN HS
MSGRATE TX MAX	20000
# OF CAN CHANNELS	2
HEIGHT (MM)	25
CURRENT CONSUMPTION	USB~5V130mACAN850mW
MAXIMUM BITRATE (KBPS)	1000
ERROR FRAME GENERATION	Yes
PLAY BACK LOG FILE	Yes
CAN FD	No
CASING MATERIAL	PC-ABS

The information herein is subject to change without notice