

Property	Kvaser Memorator Professional HS/HS	Kvaser Memorator Professional HS/LS	Kvaser Memorator HS/HS	Kvaser Memorator HS/LS	Kvaser Memorator HS/SWC
PC interface	USB 2.0, 1.1	USB 2.0, 1.1	USB 2.0, 1.1	USB 2.0, 1.1	USB 2.0, 1.1
PC communication type	USB 2.0	USB 2.0	USB 1.1	USB 1.1	USB 1.1
Number of CAN channels	2	2	2	2	2
CAN physical layer	HS ¹ / HS ¹	HS ¹ / LS ²	HS ¹ / HS ¹	HS ¹ / LS ²	HS ¹ / SWC ³
CAN 2.0 and 2.0 B	Yes	Yes	Yes	Yes	Yes
Bit rate (Kbits/s)	10 – 1000 / 10 – 1000	10 – 1000 / 10 – 125	50 – 1000 / 50 – 1000	50 – 1000 / 10 – 125	50 – 1000 / 5 – 50/100
Temperature range (Celsius)	-40 – +85	-40 – +85	-40 – +85	-40 – +85	-40 – +85
Galvanic isolation	Yes	Yes	No	No	No
Clock accuracy (µs)	2	2	30	30	30
Clock synchronisation of multiple devices	Yes (Note a)	Yes (Note a)	No	No	No
Data logging performance (Messages/s)	20 000	20 000	5000	5000	5000
Bus interface performance (Messages/s)	40 000	40 000	12 000	12 000	12 000
Boot up time (ms)	Less than 250	Less than 250	More than 3000	More than 3000	More than 3000
Number of triggers	16	16	8	8	8
Pre- and post-triggers	Yes (note b)	Yes (note b)	Yes (note b)	Yes (note b)	Yes (note b)
External trigger input	Yes	Yes	Yes	Yes	Yes
External trigger output	Yes	Yes	No	No	No
Stop filters	Yes	Yes	No	No	No
Pass filters	Yes	Yes	Yes	Yes	Yes
Counting pass filters	Yes	Yes	No	No	No
Transmit messages in logger mode	Yes	Yes	No	No	No
Flash disk support	MMC, SD, SDHC	MMC, SD, SDHC	MMC, SD	MMC, SD	MMC, SD
Max memory size	16 GB (note c)	16 GB (note c)	1 GB	1 GB	1 GB
Set up several devices in daisy chain	Yes	Yes	No	No	No
Transfer data via USB interface at (kB/s)	1 400	1 400	80	80	80
Transfer data via card reader at (kB/s)	15 000	15 000	15 000	15 000	15 000
Error counters reading	Yes	Yes	Yes	Yes	Yes
1) ISO 11898-2					
2) ISO 11898-3					
3) SAE J2411, GMLAN					

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Notes

- a) USB to CAN bus interface mode only.
- b) No buffer size restrictions, the pre- and post-trigger space is limited by disk space only.
- c) Larger SDHC card supported in the future – up to 32 GB.
- d) Work in progress, please contact us if interested.

We believe that the information contained herein was accurate in all respects at the time of printing. KVASER AB cannot, however, assume any responsibility for errors or omissions in this text. Please also note that the information in this document is subject to change without notice and should not be construed as a commitment on the part of KVASER AB.

Property	Kvaser Memorator Professional HS/HS	Kvaser Memorator Professional HS/LS	Kvaser Memorator HS/HS	Kvaser Memorator HS/LS	Kvaser Memorator HS/SWC
Mix 11 / 29 bit messages	Yes	Yes	Yes	Yes	Yes
Error frame generation	Yes	Yes	Yes	Yes	Yes
Silent mode	Yes	Yes	Yes	Yes	Yes
LED indicators	5	5	4	4	4
CAN connector	9-pin DSUB	9-pin DSUB	9-pin DSUB	9-pin DSUB	9-pin DSUB
Dimensions approx. (WxLxH)	46 x 115 x 22 mm (1.8 x 4.5 x 0.9 inc)	46 x 115 x 22 mm (1.8 x 4.5 x 0.9 inc)	46 x 115 x 22 mm (1.8 x 4.5 x 0.9 inc)	46 x 115 x 22 mm (1.8 x 4.5 x 0.9 inc)	46 x 115 x 22 mm (1.8 x 4.5 x 0.9 inc)
Weigth including cables and connectors (kg)	0.142	0.142	0.142	0.142	0.142
Kvaser CANlib Software Development Kit	Yes	Yes	Yes	Yes	Yes
Kvaser CANKing, easy to use CAN bus monitor	Yes	Yes	Yes	Yes	Yes
Driver for Windows 98/ME	Yes	Yes	Yes	Yes	Yes
Driver for Windows 2000/XP	Yes	Yes	Yes	Yes	Yes
Driver for Windows Vista	Yes	Yes	Yes	Yes	Yes
Driver for Linux	Yes (Note a)	Yes (Note a)	Yes (Note a)	Yes (Note a)	Yes (Note a)
Driver for Windows CE	(Note d)	(Note d)	(Note d)	(Note d)	(Note d)
RP1210A API	Yes	Yes	Yes	Yes	Yes
J2534 API	Yes	Yes	Yes	Yes	Yes
Driver for LabVIEW	Yes	Yes	Yes	Yes	Yes
Driver for DIADEM	Yes	Yes	Yes	Yes	Yes
Contents of delivery	Kvaser Memorator Professional HS/HS, flash disk, USB cable, Software and drivers	Kvaser Memorator Professional HS/HS, flash disk, USB cable, Software and drivers	Kvaser Memorator HS/HS, flash disk, USB cable, Software and drivers	Kvaser Memorator HS/LS, flash disk, USB cable, Software and drivers	Kvaser Memorator HS/SWC, flash disk, USB cable, Software and drivers
1) ISO 11898-2					
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