ATI Memorator Pro 2xHS v2

Professional-level, dual-channel CANbus Interface and standalone Data Logger

ATI ACCURATE TECHNOLOGIES

TEST CELL READY | VISION READY | POWERFUL LOGGING CAPABLITIES | CAN FD READY | SUPPORTS CAN 2.0B (ISO 11898-2)

The ATI Memorator Pro 2xHS v2 is a professional-level, dual-channel CAN or CAN FD interface with advanced scripting capability. With galvanic isolation, a standard USB connector and two high-speed ISO 11898-2 CAN channels, it is a high-performance yet compact, plug & play dual-channel combined interface and logger, designed to connect a CAN bus network to a PC or mobile computer. By exploiting the power of its built-in scripting functionally this product has numerous possible applications. The lightweight TRX development environment enables the running of user-developed scripts, written in the Kvaser t-programming language. Guidance in creating t-script is provided.

The logger function includes message filtering, triggers, error detection and generation plus a silent mode, recording on to an interchangeable SD card of up to 64GB. Connected to a PC via USB, the ATI Memorator Pro 2xHS v2 can operate as a powerful real-time CAN interface. Alternatively, by operating in data logger mode, the device's compact design makes it an ideal flight recorder, or it can function as a custom standalone CAN gateway and CAN stimulation device, which is easily configurable using the Memorator Config Tool.

The ATI Memorator Pro 2xHS v2 is CAN FD compliant and ready for ATI's CCP logging option. A Seed & key function is available. (Sold separately - Please ask us for more information).

Compared to competitors, the ATI Memorator Pro 2xHS v2 offers these advantages:

- Plug and play compatibility with ATI VISION™ data acquisition and calibration software
- A universal, easy to use API for both software developers and the end-user
- Free software, free updates and free support
- Swedish innovation and modern product housing design
- Tailor-made to meet the needs of engineers
- One tool - two functions. Use it as interface or logger

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MAJOR FEATURES

- Quick and easy plug-and-play installation
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers
- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s and CAN FD up to 8 Mbits/s
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet
- Supports CAN FD
- Powered by USB
- Galvanic isolation
- Supports silent mode for analysis tools - listens to the bus without interfering
- Detection and generation of error frames and remote frames
- Built-in Kvaser MagiSync™ technology time-synchronises with other interfaces connected to the same PC, resulting in a more accurate multichannel data capture
- Script functionality allows users to develop customised t-script applications written in the Kvaser t-programming language
- Extended operating temperature range from -40 to 85 °C
- Compatible with free 'Base' version of VISION Calibration and Data Acquisition Software

In logger mode:

- Powered by CAN bus
- LED lights alert user to device status, including signaling a full SD card or card error.
- SD card up to 64GB

TECHNICAL DATA

Product	**ATI Memorator Pro 2xHS v2**
Type	CAN Logger & Interface
Channels	2
CAN Bit Rate	50 kbits/s to 1 Mbit/s
CAN FD Bit Rate	Up to 8 Mbit/s
Max message rate	20000 msg/s per channel
Time Stamp Resolution	1 µs
Error Frame Detection	Yes
Error Counters reading	Yes
Error Frame Generation	Yes
Silent Mode	Yes
MagicSync	Yes
Galvanic Isolation	Yes
CAN bus connectors	2x DSUB9
PC interface	USB
OS	Windows 10, 8, 7, Vista & XP
Embedded functions	t-script & ATI CCP
Material	PA66
Temp Range	-40 to +85 °C
Length	150 mm
Width	55 mm
Height	23 mm
Weight	150 g
Power Consumption	Up to 3 W
Certificates	CE, RoHS
Item Number	00971-4

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

SUPPORT
Free Technical Support on all products available by contacting support@accuratetechnologies.com

SOFTWARE
Documentation, software and drivers can be downloaded for free at: www.accuratetechnologies.com/downloads

All ATI-Kvaser interfaces & loggers share a common driver & API. Programs written for one interface will run without modification on another interface type.

J2534 and RP1210A API available.

CANlib SDK is a free resource that includes everything you need to develop software for the ATI-Kvaser CAN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, Java, Python, and Visual Basic.

The product has scripting capability by the TRX software, a lightweight development environment for t-scripting. This allows the user to create a more advanced setup.

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