

PCAN-Diag

Handheld CAN Bus Diagnostics Unit

Part No:MPPK-CAN-DT-PCAN-Diag

PCAN-Diag is a handheld diagnostics unit with a wide range of functions to allow investigation of a CAN bus, such as detection of the CAN transfer rate, bus load measurement, and termination measurement. As well as receiving CAN messages, it can transmit either individual messages or entire sequences of them.



The built-in 2-channel oscilloscope allows CAN signals to be displayed. The trigger can be set to frame start or frame end. An explicit trigger frame can also be defined. The CAN frames are decoded based on the analog curve, for example, to detect errors in the frame.

In order to allow clear, simple allocation, the CAN messages can be displayed based on a CAN definition file. Output is through a colour display with OLED technology which allows excellent readability even when there is strong ambient light. The individual diagnostics functions can be selected and operated using a rotating push-button. As an alternative to High-speed CAN, the replaceable CAN transceiver module allows a connection to a Low-speed or Single-wire CAN.

Specifications

- High-speed-CAN ISO 11898-2, CAN transceiver module available on request for Low-speed CAN ISO 11898-3 or Single-wire CAN SAE J2411
- CAN connection is D-Sub 9-pin
- OLED display with 320 x 240 pixel resolution
- Power supply via batteries (4 x 1.5 V AA) or using supply unit provided (low-voltage socket on unit)

Overview of functions

- Transmitting individual CAN frames or CAN frame lists
- Symbolic representation of received messages by means of CAN definition files
- Setup of CAN definition files using Windows® configuration software. Transfer of data via CAN (PCAN series CAN interface required)
- Measurement of CAN bus load, displayed by means of time diagram
- Measurement of CAN termination for High-speed CAN bus, even while system is running.
- Switchable CAN termination for the connected bus
- Measurement of voltage level of all pins for CAN connection sockets (D-Sub)

Oscilloscope function

- 2-channel oscilloscope with a sample rate of max. 20 MHz per channel.
- Decoding CAN frames from the sample data recorded
- Depiction of raw CAN frames
- Extensive zoom functions
- Triggers can be configured to frame start and frame end
- CAN frames can be used as triggers

Scope of supply

- PCAN-Diag in plastic casing
- PPCAN-Editor configuration software for Windows® 7/Vista/XP (32/64-bit)
- Batteries (4 x 1.5 V AA)
- Power supply unit
- Manual in PDF format

Delivered in shockproof plastic box

Downloads

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