

CANoe Test Hardware VH1100

Test Hardware for CAN and LIN Conformance Tests with CANoe

Overview

- > USB-hardware for automating ECU conformance tests
- > Used by CANoe Test Package VAG for CAN high-speed and by the LIN conformance tests provided with CANoe 7.1

The CANoe test hardware VH1100 is a USB-hardware for automating ECU conformance tests for CAN and LIN. Currently this hardware is used by the Vector CANoe Test Package VAG for CAN high-speed and by the LIN conformance tests implementation provided with CANoe.LIN 7.1.

Applications

The VH1100 is typically used by CANoe-based test implementations to automatically hardware reset the ECU before each test case. Further applications include the programmed adjustment of the ECU's supply voltage and the automated detection of sleep and wake modes by measuring the ECU's current consumption.

Functions

The VH1100 provides the following functions:

- > Controllable via USB 2.0 interface
- > Connection to power supply (12 to 28 V) via 4 mm connectors or cinch connector
- > ECU supply lines with independent relay and LED indicator for Ignition (15), Battery (30), and Ground (31)

- > Commonly adjustable output voltage (2 to 28 V, 2 A) for supply lines with overload feedback via LED
- > Output voltage adjustable independently of input voltage (input voltage >19 V is required for max. output current of 2 A)
- > Measurement of ECU current consumption up to 2 A

Scope of Delivery

- > USB-hardware VH1100*
- > VH1100 installation manual
- > NI DAQmx driver CDs
- > USB-cable (2 m)
- > CANcable TnT (truck & trailer)
- > Two CANterm120
- * external power supply not included

Technical Data	
Input voltage/max. current of external power supply	12..28 V/4 A
Adjustable output voltage i.e. ECU supply voltage	2..28 V (accuracy 100 mV)
Max. output current i.e. max. ECU supply current	2 A (input voltage >19 V)
Current measurement ranges for ECU current consumption	0..200 mA (accuracy 2 mA) 0..2 A (accuracy 2 % of meas.)
Temperature range	0..40 °C
Dimensions (L x W x H)	166 x 109 x 45 mm
Weight	645 g



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