CANcheck

CANcheck allows users to analyze CAN networks during commisioning, maintenance and helps searching faults. This battery-operated, hand-held device connects to the CAN network to be tested and operates using a clearly-structured menu.

Functions

- Cable test with network switched off and operational test with network switched on
- Wiring test: test of the resistances between all pins of the CAN-connector (assignment in accordance with CiA), providing assessment based on pre-defined threshold values
- Terminal resistance test: measurement of the resistance between CAN_H and CAN_L
- Cable length: measurement of cable length via pulse-time delay, cable impedance
- Measurement of the signal level: absolute and differential signal level listed according to identifier
- Baud rate detection: detection of baud rate of the tested CAN system
- Identifier scan: determination of all identifiers transmitted and display of reception frequency
- CANopen mode: Signal level and reception frequency listed according to node-ID
- Bus load: measurement of the current bus load of the CAN system
- Error frames: number of error frames per time unit
- User's guide: test instructions before the test, OK or error message after the test, continuation after acknowledgement
- Multilingual: test instructions in German or English

The CANcheck is operated by means of a simple menu control via cursor keys and LCD display. Test results can be output via the LCD display or a connected PC.
For display of the results on a PC, the CANcheck is connected to the PC via a USB port. Results are displayed on the PC via a terminal program. The logging function of the terminal program enables the test results to be either archived in a file or printed out.

Technical Data

Display	128 x 64 pixels; background light can be switched on or off
Keypad	Touch-sensitive keypad with 6 keys
Switch on/off	Switch on by pressing any key; switches off automatically after 10 mins.
USB port	USB 2.0 (full speed)
CAN interface	ISO 11898-2 High-Speed CAN
Power supply	4 x 1.5 V Mignon Battery (AA) or USB
Operating time	approximately 24 hrs. with a battery capacity of 2850 mAh
Temperature range	0 °C … +50 °C
Housing and dimensions	Sturdy aluminum housing 116 x 160 x 34 mm (W/H/D)

Order number

1.01.0097.00000	CANcheck - Installation tester for CAN networks