Ixxat CANcheck

Item number: 1.01.0097.00000

The Ixxat CANcheck is a portable, user-friendly tool for CAN/CANopen network analysis. It's ideal for commissioning, maintenance, and troubleshooting, offering direct network connectivity and battery-powered operation for quick and accurate diagnostics. Its intuitive menu and hand-held design make it an essential tool for efficient diagnosis.



Hand-held device for diagnosis and maintenance of CAN networks

Features and benefits

Dual mode cable testing

Enables comprehensive cable tests with the network switched off, and operational tests when the network is on, for a complete diagnostic coverage.

Terminal resistance test

Measures the resistance between CAN high (CAN_H) and CAN low (CAN_L), thereby safeguarding a critical aspect for maintaining network stability.

Precise signal level measurement

Evaluates both absolute and differential signal level listed according to the identifier, providing insights for optimizing network performance.

CANopen mode functionality

Whithin the provided CANopen mode, the device offers detailed analysis of signal level and reception frequency according to node-ID.

Interactive user guide

Enables user-friendly operation by providing interactive test instructions before the test, clear OK or error messages after the test, and continuation after acknowledgement.

Detailed wiring analysis

Conducts a thorough wiring test, assessing connector pin resistances and providing an evaluation based on predefined threshold values.

Cable length measurement

Measures cable length and impedance through pulse-time delay, supporting an accurate network setup and effective troubleshooting.

Identifier scan capability

Ability to display all transmitted identifiers along with their reception frequency for enhanced network monitoring.

Real-time system assessment

Offers baud rate detection, bus load measurement and time-unit-based error frame tracking of the tested CAN system, delivering an essential indicators for network reliability.

Intuitive menu control & PC integration

Helps to navigate tests with ease using cursor keys and displaying results on the LCD or a PC. It easily connects via USB and uses a terminal program for archiving or printing.

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General

Net Width (mm)	116
Net Height (mm)	160
Net Depth (mm)	34
Net Weight (g)	1765
Packed Width (mm)	29
Packed Height (mm)	10
Packed Depth (mm)	34
Packed Weight (g)	1950
Operating Temperature °C Min	0
Operating Temperature °C Max	50
Storage Temperature °C Min	-20
Storage Temperature °C Max	70
Input Voltage (V)	4 x 1.5 V Mignon Battery (AA) or USB
Isolation	Trigger output and USB connector are galvanically isolated from the CANcheck ground.
Configuration	The CANcheck is operated by means of a simple menu control via cursor keys and LCD display. For display of the results on a PC, the CANcheck is connected to the PC via a USB port.
Content of Delivery	CANcheck installation tester, user manual, USB cable (2 m, A/B connector), CAN cable (2 m, Sub-D9 connector), Y CAN cable (2 m, Sub-D9 connector), CAN/trigger cable (1 m, Sub-D9 connector)
Housing Materials	Aluminium
Packaging Material	Cardboard
Warranty (years)	1

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Identification and Status

Product ID	1.01.0097.00000
Country of Origin	Germany
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	1 x D-Sub 9 connector, 1 x USB 2.0 port
Contains Battery	No

CAN Features

CAN Mode	CAN high-speed (ISO 11898-2)

Certifications and Standards

Protection Class IP	IP30
Product Certifications	CE
WEEE Category	IT and telecommunications equipment