

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**
Within 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.



| 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 |
| Relative Humidity | 10 to 95 %, non-condensing |
| 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 | Aluminum |
| Packaging Material | Cardboard |



General

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| Warranty (years) | 1 |
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Identification and Status

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| Product ID | 1.01.0097.00000 |
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| Country of Origin | Germany |
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| HS Code | 8517620000 |
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| Export Control Classification Number (ECCN) | EAR99 |
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| Supply Risk Factor ERP | Used in Volume 01 |
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| Purchasing Multiple ERP | 20 |
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Physical Features

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| Connectors / Input / Output | 1 x D-Sub 9 connector, 1 x USB 2.0 port |
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CAN Features

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| CAN Mode | CAN high-speed (ISO 11898-2) |
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Certifications and Standards

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| Protection Class IP | IP30 |
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| ETIM Classification | EC001583 |
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| WEEE Category | IT and telecommunications equipment |
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