

CAN Tester BC-200-CAN

Commissioning and maintenance of CAN based networks

Application

The BC-200-CAN tester is a universal measuring instrument for commissioning, analysis, monitoring, error finding and maintenance of CAN based systems. Typical operating faults in CAN installations, such as station failures, communication errors or even plant shutdowns, are frequently due to the bus electric and cabling. BC-200-CAN helps avoiding faults already during commissioning and provides an overview of the signal conditions on the bus during operation. Thus it helps users to quickly find and fix errors.

Find Errors Easily

BC-200-CAN is quickly connected to any PC via USB. Initially, it verifies the system cabling by testing for short-circuits, interruptions, loop resistances and cable length. During network operation it automatically detects the baud rate and the individual devices of the system to be analyzed as well as the signal

Product information



quality of each device on the bus. Thereby it also shows the signal shape with its built-in storage oscilloscope. Comparative measurements over the life-time of a system show deviations at an early stage and thus prevent downtime. Other convenient features include the comprehensive, automatically generated test reports and the possibility to export the measurement results as CSV files and graphics for further processing, for example in MS Office programs.



BC-200-CAN determines the signal quality on CAN based networks



Everything is at hand in the practical service case

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Product Information

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Measured Data / Functions

Bus status	Bus level and traffic detection
Bus load	Permanent display of bandwidth usage (0 ... 100%)
Station list	Generated automatically and/or entered manually
Quality level	Signal quality level (0 ... 100%)
Disturbance-free voltage range	Resolution 50mV; current, minimum and maximum values
Signal shape	Station-specific measurement with built-in oscilloscope with trigger and zoom
Signal edges	Quality of falling and rising edges
Protocol monitor	Reception and transmission of arbitrary CAN messages; filter, trigger
Report generator	Creates a user-configurable test report

CAN Interface

Connection	2 x 9-pin male D-sub connector (also M12 and tab connector via supplied adapter cable)
Protocols	CAN, CANopen, DeviceNet, SAE J1939 (depending on the product variant)
Data transfer rates	5 kbit/s ... 1000 kbit/s

Additional Connections

PC	USB, full speed
Oscilloscope	Trigger output galvanically isolated, BNC jack

Miscellaneous

Power supply	Wide-range power supply (included)
Ambient temperature	+5°C ... +40°C
Storage temperature	-20°C ... +60°C
Housing	Aluminum, IP20 protection
Dimensions (W x H x D)	125mm x 40mm x 170mm (4.9" x 1.6" x 6.7")
Approvals	CE

Scope of Delivery

BC-200-CAN hardware, wide-range power supply, tester software on CD, user manual and a comprehensive range of accessories in a handy carrying case

System Requirements

PC with Windows Vista, Windows XP, Windows Server 2003, Windows 2000 or Windows ME/98

Part No.

BC-200-CAN	for CAN, SAE J1939 and CANopen
BC-200-CAN/DN	for CAN, SAE J1939 and DeviceNet