GEMAC
Sensorik. Messtechnik. ASIC-Design.

CANtouch®

Features:

Figure similar

- Bus systems:
  - CAN, CANopen, DeviceNet, SAE J1939
- Baud rates (10 kBit/s ... 1 MBit/s)
- Measurements designed as Apps
  - Bus Status (Bus traffic load)
  - Bus Errors (Active and Passive frame errors)
  - Bus Voltages (CAN supply voltage and shield voltage)
  - Common Mode Voltage
  - CAN Levels (absolute / differential)
  - Bus Wiring ((Short-circuits, interruptions, loop resistances, cable length)
  - Node Measurement (Quality level, Dist.-free voltage range, Edge steepness, Oscilloscope disp.)
  - Protocol Monitor
- Including six Apps, three additional Apps via license

CANtouch® is a battery-operated handheld diagnostic device for the physical and logical analysis of CAN bus systems. Its state-of-the-art operation via touch screen provides intuitive and efficient handling similar to the operation of smart-phones.

As a further development of the CAN-Bus Tester 2, it possesses not only its functionality, but, in addition, provides new measuring functions. A simplified evaluation method based on a combination of traffic lights and smilies will assist you in quick assessment of the measurement results. Thanks to the integrated update option, you are already prepared for future extensions today. New functions can be enabled by purchasing additional licenses at any time.

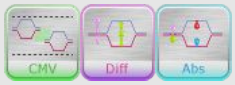
Fields of Application:

- Commissioning of CAN bus plants
- Wiring test, module check
- Service/maintenance of CAN bus plants
- Troubleshooting and analysis of the bus characteristics
- Development of CAN modules
- Final testing in the production

GEMAC - Gesellschaft für Mikroelektronikanwendung Chemnitz mbH
Zwickauer Straße 227
D-09116 Chemnitz
Telefon: +49 371 3377-0
Telefax: +49 371 3377-272
E-Mail: info@gemac-chemnitz.de
www.gemac-chemnitz.de

GEMAC
Sensorik. Messtechnik. ASIC-Design.

Technical Specifications*:

Overview of Functions	
Languages	German, English
Bus systems (CAN type)	CAN (ISO11898-2), CANopen (CiA301), DeviceNet (EN 50325-2), SAE J1939
Bus Status / Bus Errors / Bus Voltages 	Bus traffic detection (display: dominant, recessive, not defined, bus traffic) Display of the Bus traffic load (0 ... 100 %) Display of detected frame errors (active and passive error frames) Display of the optional CAN supply voltage and the shield voltage
Com.-Mode-Volt. / CAN Levels Diff / Abs 	Recognition and measurement of the maximum voltage offset between the nodes Recognition and measurement of the differential and absolute CAN levels of all bus nodes during run-time
Bus Wiring (as optional license) 	Recognition and measurement of line short-circuits, line breaks, bus termination, loop resistances and the overall line length.
Node Measurement (as optional license) 	Node-related physical measurement of: Quality Value (Value representing the signal quality 0 ...100%) Disturbance-free voltage range and edge steepness Oscilloscope display with frame analysis and full frame recording
Protocol Monitor (as optional license) 	Transmit and receive of CAN Messages

* For a complete description of all technical specifications, please refer to the User Manual (www.gemac-chemnitz.de).

Ordering Information:

Product		Description		Article Number
CANtouch® Basic Set				
CANtouch® Basic Set		CANtouch® incl. power supply, power supply cord, USB cable, manuals		PR-22580-00
Adapter Set				
Adapter Set		Two CAN connection cables 0.3 m and 1.5 m Two Connection adapters for 9-pin D-Sub and M12 Two shorting plugs for 9-pin D-Sub and M12 Two termination resistors for 9-pin D-Sub and M12 4 mm safety testing wire 3 m with safety crocodile clip		PR-22580-10
Service Case				
Service Case		Robust case with foam inserts for the CANtouch® basic set and adapter set		PR-22580-50
Licenses for optional Software Modules				
License “Node Measurement”	CAN	License key for the Application: “Node Measurement”	CAN	SW-22580-00
	CANopen		CANopen	SW-22580-01
	DeviceNet		DeviceNet	SW-22580-02
	SAE J1939		SAE J1939	SW-22580-03
License “Bus Wiring”		License key for measuring of the bus wiring		SW-22580-10
License “Protocol Monitor”		License key for the CAN Protocol Monitor (Transmit / Receive)		SW-22580-11