CW-141

CAN-BUS UND CCP-ANALYZER

The CW-141 makes it possible to study and analyze CAN networks. Designed as a portable, hand-held device in a rugged aluminium housing, it is particularly suitable for mobile use.

Utilizing the CW-141 in combination with its intuitively designed software operated via a touchscreen it is possible to measure and analyze the characteristics of CAN networks including the baud rate, terminating resistor, short-line faults, signal level and CAN data (data and error frames). As a consequence the battery-powered CW-141 makes troubleshooting on CAN buses in the field easier and eliminates the need to use extensive measurement technology or cabling.

In addition to analyzing physical bus parameters and their correct function the CW-141 offers the option at the same time to test remote CCP stations (CAN Calibration Protocol) in the CAN network. For this purpose the communication ID of the respective control unit or station is configured for CCP via an A2L file or entered manually. The CW-141 analyzes the connection to the station and displays the result on the touchscreen display.

PERFORMANCE CHARACTERISTICS

- **Handy bus analysis tool for CAN bus and CCP**
- **Operated and controlled via touchscreen**
- **Measure bus load, baud rate, signal level, data and error frames as well as terminating resistors**
- **Analyse remote CCP stations**
- **Import A2L description files via a USB interface**
- **Rugged and handy aluminium housing**
- **Battery-powered device with long battery life**

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CAN-INTERFACE

Number	1
Type	ISO 11898-2 (Highspeed) CAN-protocol version 2.0 A and 2.0 B, supports SAE J1939 (29-bit identifier)
Data rate	50, 100, 125, 250, 500, 666, 800 and 1000 kBaud
Termination	optional activation via software
Connector	LEMO EPA.0B.303.HLN

USB-INTERFACE

Number	1
Type	USB 2.0
Connector	USB-socket, type A

POWER SUPPLY

Supply voltage	4 x AA 1,5 VDC Batterien
Current Consumption	150 mA (at 5 VDC)

ENVIRONMENTAL CONDITIONS

Temperature range operation	-20 °C to + 50 °C
Temperature range storage	-20 °C to +70 °C (ohne Batterien)
Relative humidity	35 % to 85 %, non-condensing
Protection class	IP40

GENERAL INFORMATION

Housing	Rugged aluminum-housing
Dimensions (LxWxH)	159 mm x 87 mm x 25 mm
Weight	400 g (without batteries)
Display	2,8“ TFT Touchdisplay, 320 x 240 Pixel, 262k colors
Pushbuttons	Membrane keypad wit 5 pushbuttons

PRODUCT FEATURES

Scope of features	Hand-held device for analysis of CAN-bussystems Analysis of voltage levels, resistor and CAN-protocol (bit rate, bus load, data- and error frames) Verification of CCP-connections USB-interface to read-in CCP-description files (A2L-files) for communication tests
Voltage measurement	Measurement range: 0 VDC to 6 VDC Resolution: 0,1 VDC
Resistance measurement	Measurement range: 0 Ohm to 200 Ohm Resolution: 1 Ohm

FURTHER DEVICES CW-100 SERIES

CW-101 CAN-USB-Interface	CW-121 CANnect II Gateway for CAN and LIN
CW-102 CAN-Ethernet-Interface	CW-131 Optical Transmission Unit for FlexRay, CAN and LIN
CW-114 FlexRay™-Repeater	CW-140 Interface for CAN and LIN

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