

CANalyzer

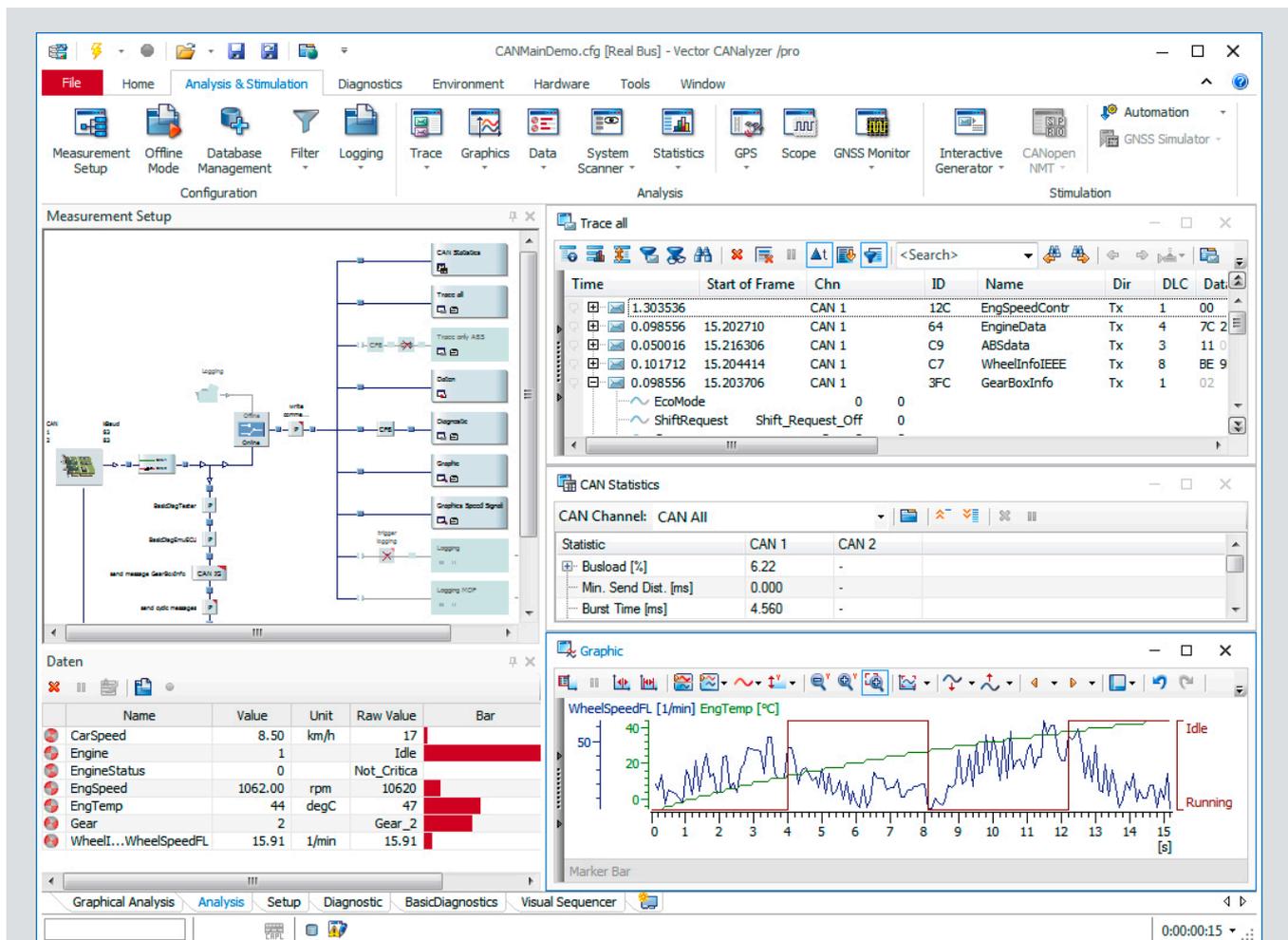
The Tool for Comprehensive ECU and Network Analysis

What is CANalyzer?

- > CANalyzer is the comprehensive software tool for analyzing individual ECUs and entire networks.
- > CANalyzer makes it easy to monitor, analyze and stimulate data traffic of different bus systems.
- > Powerful basic functions and user programmability cover all needs from simple network analysis to advanced troubleshooting in complex applications.

Overview of Advantages

- > Easy observation, analysis and supplementation of the data traffic
- > Intuitive operation
- > Configurable function blocks such as Filter, Generator or Replay blocks according to the specific analysis task
- > Seamless logging of bus data and replay in the framework for offline analysis
- > Flexible programmable with CAPL, e.g. for extensive analysis tasks



Standard CANalyzer configuration for analyzing a CAN system

Highlights of Version 11.0

Security

Secure communication with the System under Test based on:

- > Transport Layer Security (TLS)
- > Secure Onboard Communication (SecOC)

Mapping Dialog

- > Possibility to define mapping groups
- > Dynamically switch between groups via CAPL

Offline Mode

- > Unique measurement and trigger IDs for BLF and MDF4 files

Symbol Selection Dialog

- > Enhanced navigation through symbol tree
- > Enhanced search functionality, e.g. via wildcards

New Licensing and Installation Concept

- > Program characteristics is determined by available license only
- > Activation and licensing in a single process
- > Easy installation with MSI-compliant installer

 Details in the webinar recording (50 min.): www.vector.com/cc_11.0

CANalyzer Exp

The 'Expert' variant is ideal for all standard applications, and it provides all functions and extensions with unlimited access. However, this variant does not support creating and executing CAPL programs.

CANalyzer Fun

The 'Fundamental' variant is appropriate for simple applications that can be covered with the standard interactive functions. Functions not supported are the programability, the diagnostic tester and operating panels.

Supported Bus Systems, Protocols and Options

> Bus systems:

CAN, CAN FD, LIN, MOST, FlexRay, Ethernet, WLAN, Car2x ITS G5, AFDX® and J1708

> Protocols:

TCP/IP, SOME/IP, CANopen, J1939, J1587, K-Line, CANaerospace and ARINC 825.

Others upon request.

> Options:

.Scope

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Application Areas

Analysis

As a CANalyzer user you can analyze the bus communication of ECUs or entire systems at your development work place as well as directly in the vehicle.

Diagnostics / Diagnostic Tester

Using the Diagnostic Feature Set contained in CANalyzer, you can analyze diagnostic communication in accordance with the KWP2000 or UDS standard. Here, CANalyzer can be used as the diagnostic tester for ECU diagnostics. In addition, a complete OBD-II Tester is already integrated.

Logging

Use CANalyzer to log data and replay them for post-measurement analysis. The import/export functions allow time-independent processing of the logged bus communication.

Stimulation

In addition to observing and analyzing the data traffic of ECUs, you can also use CANalyzer to influence the data traffic. To do this, you can simply send messages from preconfigured user interfaces or define signal values in CANalyzer and send the related messages.

CANalyzer Variants

CANalyzer Pro

The 'Professional' variant supports all applications from simple observation of bus traffic to complex analysis and stimulation of heterogeneous systems. All functions and extensions are offered with unlimited access.

More information: www.vector.com/canalyzer