

Introduction to CANalyzer

Duration:	1 Day
Target group:	CAN users (controller development, electrical engineering and motor vehicle electrical)
Prerequisites:	CAN fundamentals

1 Data Interpretation with CANdb++ (2,0 h)

Goal: Interpretation of CAN data using the CAN database

Contents: CANdb++ Editor: network nodes, messages, signals, conversion formulas, exercises

2 Introduction to CANalyzer (0.5 h)

Goal: Present the potential uses of CANalyzer. Explanation of the database concept

Contents: User control concept, Measurement Setup and graphic menu, overview of the Measurement Window and standard function blocks

3 Measurement, Evaluation and Data Logging with CANalyzer (2.5 h)

Goal: Use of CANalyzer as a measurement tool

Contents: Configuration of windows and function blocks, data tracing, Statistics window, signal analysis in Data and Graphic windows, logging data traffic for offline analysis, using specific trigger conditions, exercises

4 Stimulation and Emulation (1.0 h)

Goal: Active intervention in existing bus traffic by means of Send blocks

Contents: Generator blocks and Replay block, exercises

5 Offline Analysis (0.5 h)

Goal: Explain the Offline mode in CANalyzer

Contents: Data analysis in Offline mode, exercises

6 Tips and Tricks for Working with CANalyzer (0.5 h)

Goal: Discussion of special issues and problems in using CANalyzer

Contents: Internal program structure, working with configurations, performance optimization, working with directories, working with multiple databases

7 Questions, Feedback, Suggestions

Goal: Clarification of open issues and open discussion as feedback for Vector