

# OptoLyzer® Studio

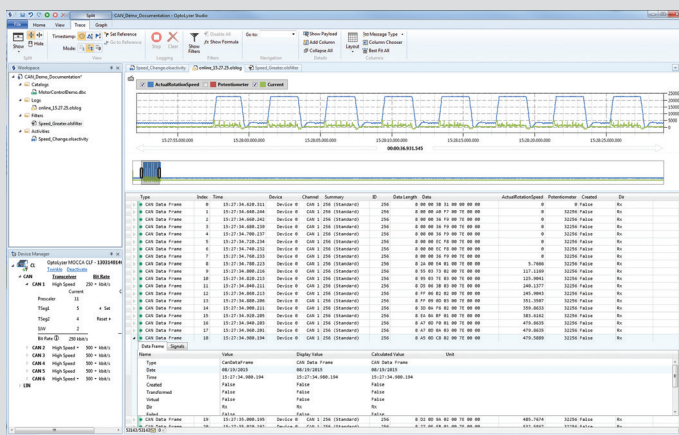
The Universal Multi-Bus User Interface Software



The development cycle of automotive distributed devices and systems is complex and time consuming. The more important is it to have a tool at hand that makes this work easier. K2L's OptoLyzer Studio is a software that supports you in device and system development and helps shorten time-to-market. Its concept offers you a comprehensive and easy-to-use tool chain that supports you in conducting all development tasks starting from the early test and simulation phases up to and including final analysis and verification. Over all leading-edge automotive networks, the OptoLyzer Studio is the solution to make your projects successful.

## Product Benefits

- Supports the entire V-model development process including
  - Test and simulation
  - Analysis and verification
- Offers a user-friendly GUI based on the latest .NET technology
- Provides comprehensive network interface support for the
  - K2L OptoLyzer MOCCA family
  - Microchip CAN Bus Analyzer
  - Microchip LIN Serial Analyzer
- Provides an open software interface that allows you to connect to your own device or any suitable third-party solution
- Integrates a plug-in concept to add customized functionality
- Supports various trace formats



OptoLyzer Studio GUI

## Ordering Information

The OptoLyzer Studio is available as:

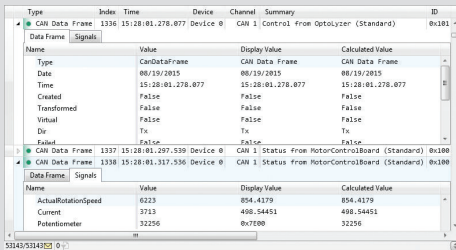
- Entry Edition:**
- OptoLyzer Studio Entry  
Order No. B10443
- Foundation Edition:**
- OptoLyzer Studio Foundation CL  
Order No. B10444
  - OptoLyzer Studio Foundation CLF  
Order No. B10445
  - OptoLyzer Studio Foundation compact  
Order No. B10446

## OptoLyzer Studio GUI (Based on .NET Technology)

The GUI design is based on an intuitive ribbon concept that facilitates easy access to the available functions of the OptoLyzer Studio. Dockable windows add clarity and tidiness; steep learning curves are a thing of the past. The Trace View including the Graph View, the Activity View as well as the Filter View are the centerpieces of the OptoLyzer Studio.

### Trace View

The Trace View neatly arranges the messages of the different bus systems. Message details can be made visible by the use of Data Frame and Signal tabs.

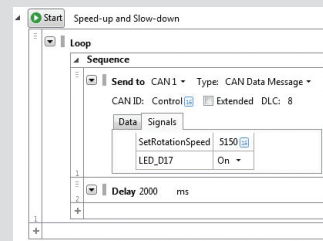


Type	Index	Time	Device	Channel	Summary	ID
CAN Data Frame	1336	15:28:01.278,877	Device 0	CAN 1	Control from OptoLyzer (Standard)	0x281
<b>Data Frame</b>						
Name	Value	Display Value	Calculated Value			
Type	CanDataFrame	CAN Data Frame	CAN Data Frame			
Date	00:19:2015	00:19:2015	00:19:2015			
Time	15:28:01.278,877	15:28:01.278,877	15:28:01.278,877			
Created	False	False	False			
Transformed	False	False	False			
Virtual	False	False	False			
Dir	Tx	Tx	Tx			
Failed	False	False	False			
<b>Signal</b>						
Name	Value	Display Value	Calculated Value			
ActualRotationSpeed	6223	654,4179	654,4179			
Current	3713	498,54451	498,54451			
Potentiometer	32256	0x7E00	32256			

Trace View (Extract)

### Activity View

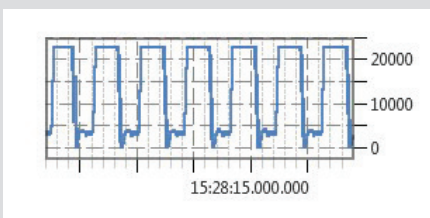
The Activity View offers a graphical programming capability that allows the definition of complex procedures even with special timing behavior.



Activity View (Extract)

### Graph View

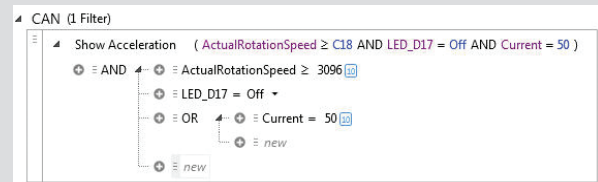
The Graph View visualizes signals over the course of time. Messages can be fed into the considered system with the help of the Activity View.



Graph View (Extract)

### Filter View

Filtering of data is offered by the Filter View. The view allows the selection of the main filter criteria, including bus protocol and bus channel. Filter settings can be further modified by using a wide range of boolean operation settings.



Filter View (Extract)

The OptoLyzer Studio provides the following key features in addition:

- Unlimited size of log files
- On- and offline analysis and verification
- Monitoring, recording and message generation of CAN and LIN communication
- Drag and drop options that offer a fast way to move and copy elements from one window to another and therefore help to increase productivity
- Detail View that displays catalog information with all relevant information of selected messages
- Full support of protocol descriptions including CANdb, Idf for LIN, MOST® function catalog, FIBEX™ for FlexRay® and AUTOSAR XML files



K2L is committed to working toward a sustainable environment. We endeavor to make continual improvements in natural resource conservation through efficient product design and global operations thereby reducing greenhouse gas emissions generated by our products and facilities. Our environmental life cycle process seeks to reduce our carbon footprint through product life and recyclability and efficient use of materials, energy and transportation. We remain committed to promoting smart energy policies across our global organization.

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