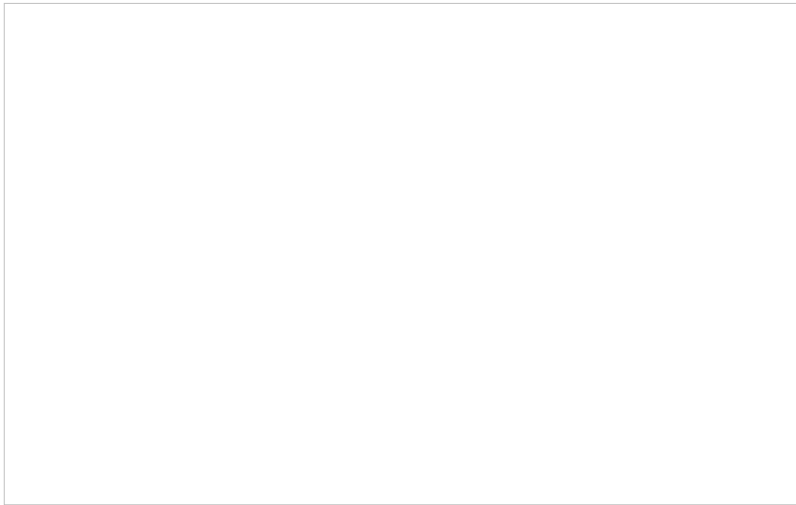


OSCILLOSCOPE

Decoding software for CAN FD

Teledyne LeCroy (US) has introduced a CAN FD rate trigger and decode solution. It enables designers to gain insight in to their systems, correlating physical layer signals and protocol layer data on a single display.



The solution offers CAN specific parameters to measure, plot, and analyze bus performance (Photo: Teledyne LeCroy)

THE CAN FD TRIGGER CAN ISOLATE FRAME IDs, specific data packets, remote frames and error frames. The decoder uses a color-coded overlay that identifies different parts of the data being captured, allowing the user to identify different parts of the CAN FD data such as Frame IDs, status bits, and message data. CAN FD trigger and decode is available in a variety of the company's oscilloscopes. Users who already have CAN Trigger and Decode can upgrade their system to CAN FD Trigger and Decode.

The solution offers the ability to decode four serial networks simultaneously. These four networks can be a combination of any protocols, including CAN FD and classic CAN at the same time. Decoded data can also be seen in an interactive table. Entries in this table can be selected and automatically zoomed, preventing the need to scroll through long records. A search function is built in to the zoom trace to locate a specific Frame ID or data message.

Teledyne LeCroy is a manufacturer of test instruments that measure, analyze, and verify electronic signals. The company offers high-performance oscilloscopes and protocol test solutions used by electronic design engineers in a range of applications and end markets.