What is vMeasure CSM?
The vMeasure CSM measurement and analysis software is the ideal supplement to CAN- and EtherCAT-based measurement modules of CSM. With vMeasure CSM you have a convenient tool for configuring your measurement, synchronously acquiring physical values, and storing these values in MDF format. Recording of GPS and video data is also supported. vMeasure CSM saves video data in a separate AVI file. In so doing, synchronization with the measurement signals is retained, of course. Based on the measured signal values, virtual signals are calculated during the measurement and are available to you as additional measurement data. You analyze the recorded measurement data easily in the same configuration as the measurement. The display of existing signal sequences, position data on the map, and video recordings is also synchronized. You use the printing and reporting function to document your measurement results quickly and efficiently.

Overview of Advantages
- Synchronous acquisition of measurement data of different sources
- Convenient and fast creation of measurement configurations with CSM hardware
- Concentration on the measurement task; detailed knowledge of the utilized technologies such as CAN or EtherCAT is not required
- Support of hardware-based time synchronization of the CSM EtherCAT measurement modules with Vector bus interfaces
- Measurements with sampling rates of up to 800 kHz per signal with the CSM analog measuring module ECAT ADMM 4 HS800
- Open and flexible platform based on use of standards

vMeasure CSM synchronously acquires and then evaluates measurement data from a wide range of sources.
CSM Analog Measurement Technology
CSM provides a comprehensive range of measurement technology for acquiring physical values such as temperature, voltage, pressure, acceleration, strain, engine speed, etc.

Data Analysis and Documentation
> Signal display as a function of time or in an XY graph
> Manual analysis of signal sequences using zoom function, search function and measurement cursor
> Insertion of comments for the offline analysis
> Export of sequences from measurement data with synchronous video cut
> Data export to ASCII and Excel
> Print function and PDF export with customizable templates
> Insertion of individual visualizations or entire display pages in Word and PowerPoint using drag & drop

Supported Measurement Hardware
> Analog CAN-based measurement modules and high-voltage measurement modules from CSM
> EtherCAT-based measurement modules from CSM
> Exhaust gas measurement modules from ECM (LambdaCANc, NOxCANx)
> USB-based GPS devices
> Video cameras with DirectShow interface
> Analog and digital I/Os of the Vector bus interfaces

Supported Interfaces
> All Vector CAN bus interfaces
> CSMcan bus interface
> Ethernet PC interface

More information: www.vector.com/vMeasureCSM

The robust and compact measurement modules from CSM can be mounted directly in the engine compartment; perfect for the use on the road and in test benches.