Sumac

## Calibration, Measurement and Visualization for Embedded Systems

Sumac is an efficient and powerful tool designed for calibrating, measuring, and visualizing embedded control units (ECUs) and control systems throughout the entire development cycle.

All-in-One Solution

With Sumac, you get data acquisition, calibration, and analysis unified in one intuitive and lightweight package. Save time and reduce costs compared to using multiple separate tools.

Clear and intuitive user interface

The user interface is designed to be intuitive and clear. Most functionalities are available via context menus instead of occupying the available screen spare with icons. Below is a screenshot of a PMSM motor control application.
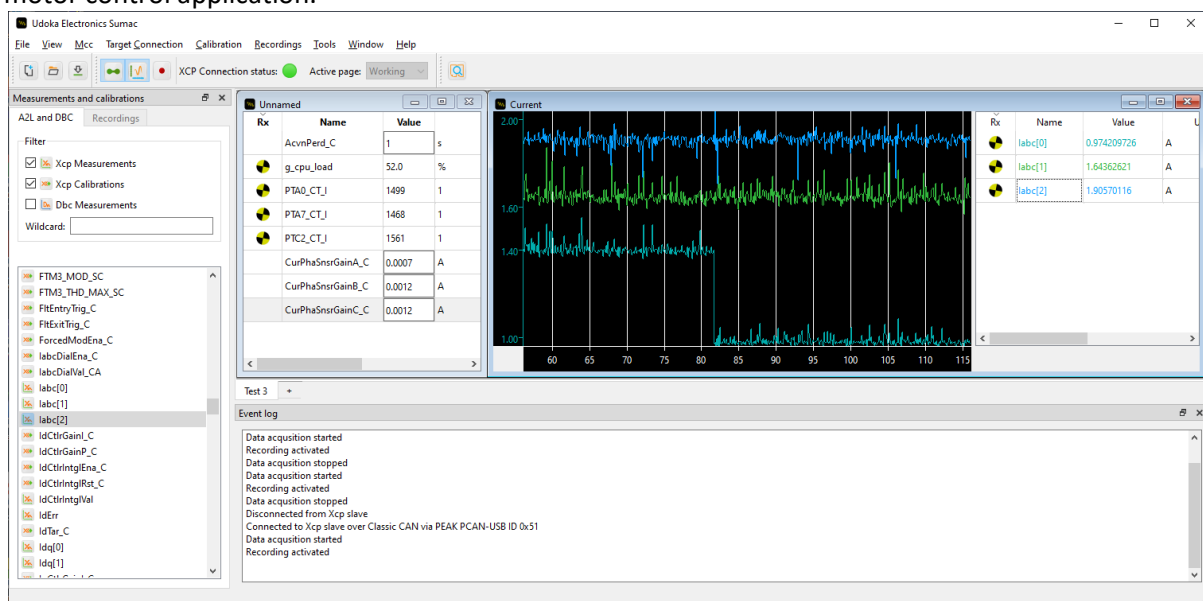
Connect to Your Systems

- Real-time measurement and calibration via XCP over CAN, CAN FD, and UDP/IP
- Offline analysis using recorded data files
- Support for DBC-based CAN bus monitoring
- Software download to ECUs via UDS and XCP protocols

Automotive Standard Compatibility

Sumac supports all major industry standards and file formats out-of-the-box:

- ASAM MCD-2 MC / A2L for XCP configuration
- ODX for diagnostic communication
- DBC for CAN signal measurement
- MDF3, MFD4, CSV for data logging
- DCM and CDFX for calibration

Powerful Features

- Automatic reload of A2L files for efficient testing
- Oscilloscope-style data plotting with smart scaling
- Pre-triggers for analysing events leading to behaviour

- Multi-recording compare and cursor analysis
- Calibrate scalars curves and maps
- Import/export calibrations via standard formats
- Manage and compare parameter sets directly

Flexible and Compatible
- The subscription license model is flexible, simple and low investment
- Compatible with ETAS, Kvaser, Peak, Vector & Lawicel CAN interfaces
- Available for Windows and Linux

From rapid prototyping to qualification testing, Sumac provides an efficient integrated toolset to streamline development of embedded automotive systems.

http://www.udokaelectronics.com/sumac