

Automated application access

With *ecu.test calibration*, calibration access to ECUs can be automated without additional software. It enables the reading and writing of calibration and measurement quantities as well as the recording and downstream analysis of these as part of the trace analysis. Access is currently possible via Ethernet using a TCP/IP network connection and can be used in conjunction with the following tool connections:

- tracetrionic: Ethernet
- Vector: XL API

For more information on *ecu.test calibration* or requests for extensions, please contact sales@tracetrionic.de.

Key features at a glance

Calibration access

Read and write of calibration quantities

- Reading calibration quantities via upload
- Writing calibration quantities via download

Measurement access

Reading and writing of a limited number of measured variables

- Read measured quantities cyclically via DAQ
- Adjustable task per quantity
- Available measurement tasks are polled live by the ECU
- Support for static and dynamic measurement lists
- Write measured quantities via download

Recording

Recording of calibration and measurement quantities

- Symbolically via the signal recording integrated in *ecu.test*
- ASAM MDF4 recording format
- Compatible with trace analysis

General

- Page Switching (for Pages that support simultaneous Access of ECU and XCP)

Supported formats and standards

Standards:

- XCP on Ethernet (ASAM MCD-1)
 - UDP
 - TCP

Calibration descriptions:

- ASAM MCD-2 MC (A2L)
- Intel HEX (HEX)
- S-Record (S19)

Coming soon

ecu.test calibration is continuously being developed. We intend to provide some functions in later versions:

In general

- Security Access

Transport Layer

- XCP on CAN
- Transport Layer Commands (Slave Detection, Clock Multicast)

Measurement access (DAQ)

- ODT optimization
- Consideration of XETK special features
- Configuration Storing/Resume Mode

Recording

- Non-linear conversion functions
- Sparse write operations
- Timestamp from slave