The EVA100 performs multi-channel measurement for ECU hardware evaluation. Pseudo load test conditions are captured and reproduced with EVA100.
Test parameters for ECU evaluation
To improve the quality of ECU (Electronic Control Unit), it is important to set the interface parameter or set the test timing accurately. Failed load measurement phenomenon are normally unrepeatable. The EVA100 allows failed load conditions to be reproduced thus lowering overall ECU test times.

ECU evaluation solution features
- Easy to set measurement procedure.
- Micro-second timing accuracy
- Pseudo load testing capability

Micro-second timing accuracy
Every measurement module is synchronized to an accurate master clock. I/O signals are set to 10 nano-second resolution and 1 micro-second accuracy. ADAS system evaluation greatly benefits from highly accurate timing signals.

Easy to set measurement procedure
EVA100 offers a very intuitive GUI solving complex ECU evaluation tasks.
EVA100 has variety of measurement functions integrated into a single test unit.

Pseudo load testing capability
EVA100 captures the actual load signal with its highly accurate digitizer and reproduces the load signal with its AWG. This pseudo load testing allows failed conditions to be reproduced.

Figure 1. EVA100 for ECU development
Figure 2. Sequence Editor
Figure 3. High accuracy timing signal
Figure 4. Inrush current reproduced