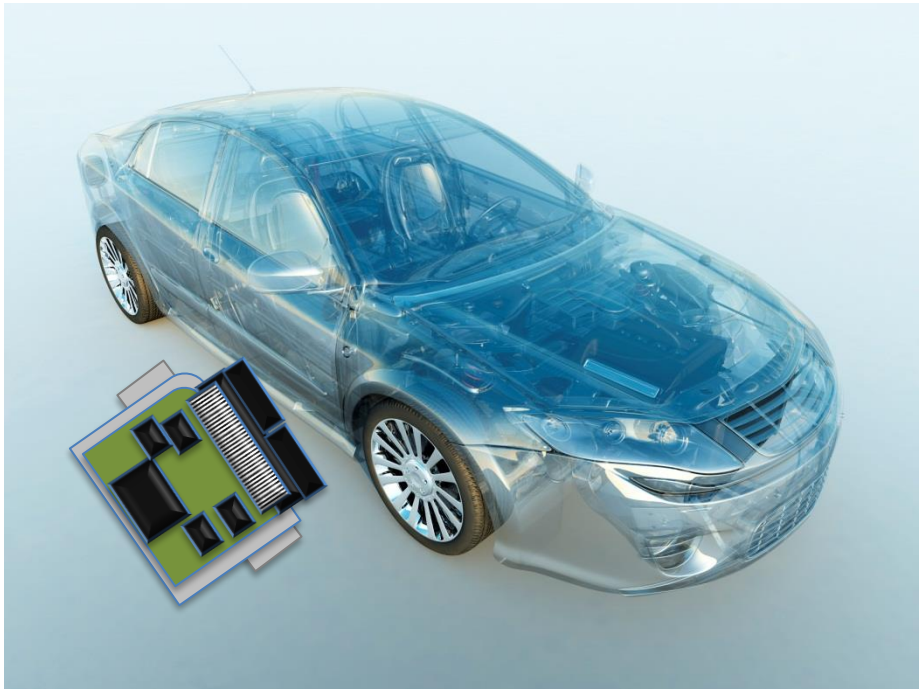
ECU Solution

EVA100 MEASUREMENT SYSTEM



ECU Hardware Evaluation Solution

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

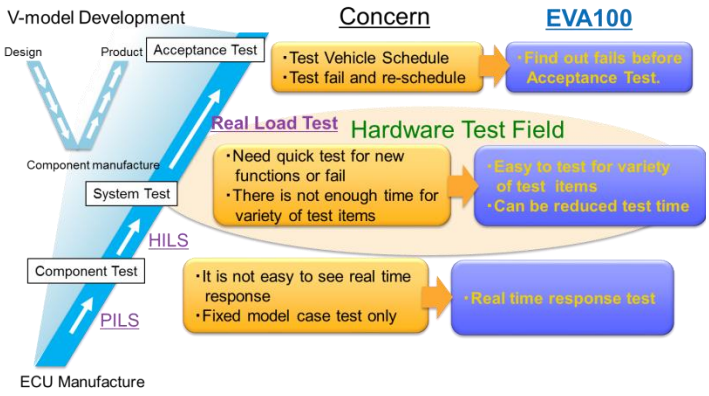


Figure 1. EVA100 for ECU development

■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.

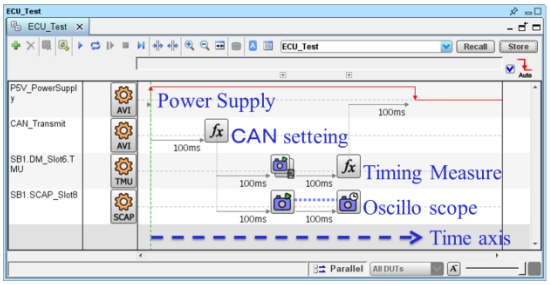


Figure 2. Sequence Editor

■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 1micro-second accuracy. ADAS system evaluation greatly benefits from highly accurate timing signals.

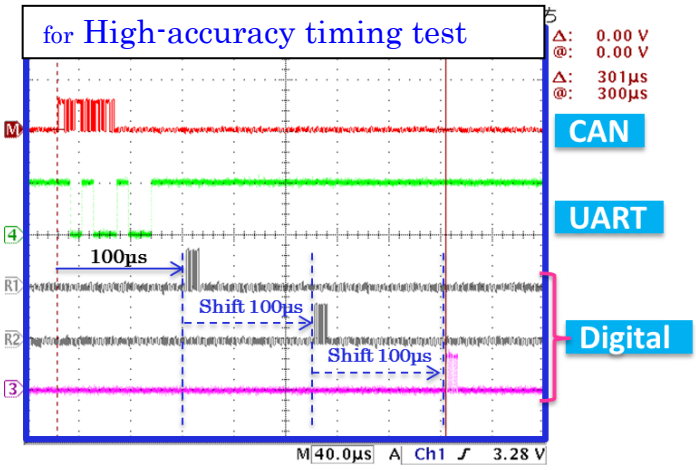


Figure 3. High accuracy timing signal

■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.

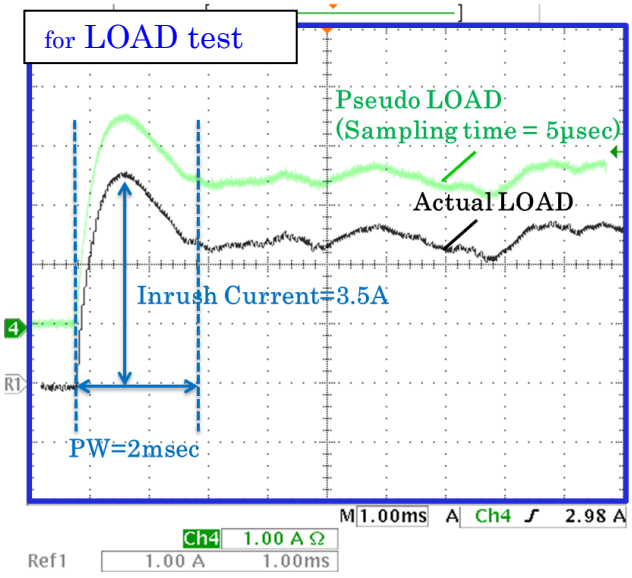


Figure 4. Inrush current reproduced

ADVANTEST CORPORATION
EVA Project
E-mail : info_eva@advantest.com