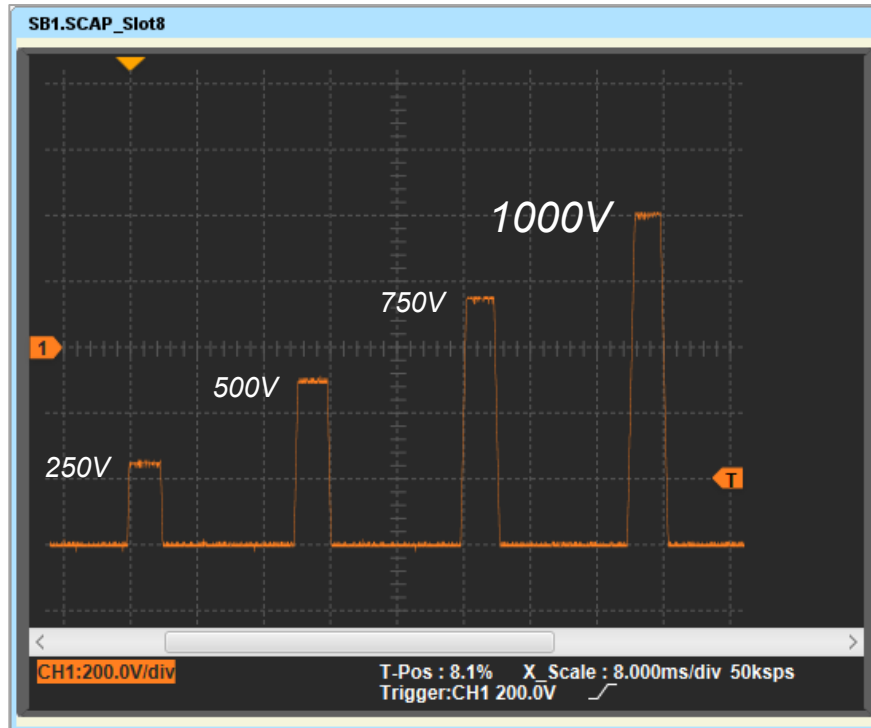


EVA100 High Voltage Solution

Measurement System EVA100



Fast Settling Time and 2000V Coverage

Ensure reliability of ICs for High-Volume Markets

- Fast Settling time
- Low leakage current
- Up to 2000V coverage

■ High voltage VI module **New**

EVA100's new Floating High voltage VI (HVI) has been developed, Extending EVA100 Measurement System's Capabilities to Include High-Voltage Semiconductors such as Power MOSFET, AC/DC and DC/DC converters, motor controllers, LED drivers and gate drivers by accurately measuring their current leakage and breakdown voltages.

Typical Test items

- Leakage Test
- Break down Test
- Threshold Test

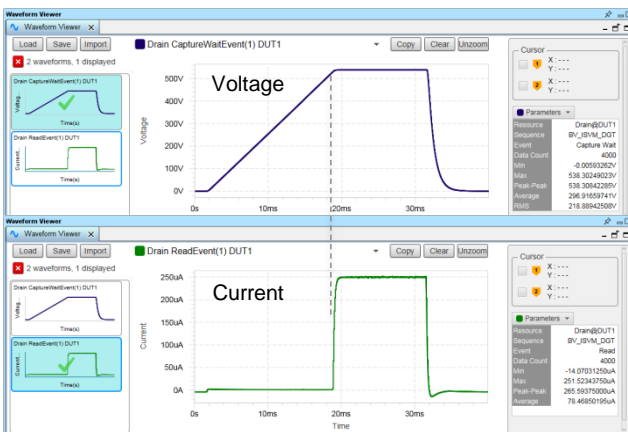
■ Stacking and Parallel (Ganging)

When using a single channel, the HVI module expands the EVA100 voltage coverage up to 1,000 volts with a current range of ± 8 mA. By stacking the voltage source, the module enables tester coverage as high as 2,000 volts. The ganging also enables the EVA100 to handle devices with a current range of ± 16 mA.

■ Profiling of Current and Voltage

The HVI module can measure the Voltage and Current simultaneously so that the internal device's behavior will be monitored very easily. The break down voltage point will be determined precisely from the current flowing into a device.

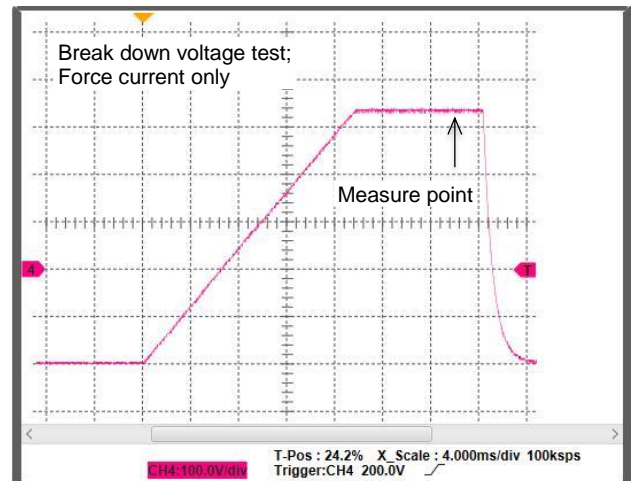
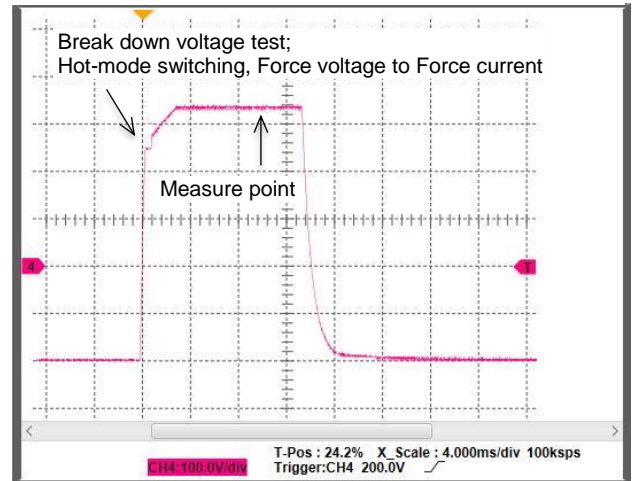
Figure 1 Current and Voltage simultaneous



■ Glitch-free, hot-mode switching on the fly and Fast Settling Time

The HVI module enables hot-mode switching on the fly' to yield faster setup and test time.

Figure 2 Fast setup with Hot switching



Items	Specification
Voltage Source	0V - 1000V
Current Source	8mA, 20mA Pulsed
Voltage Measure	0V - 1000V
Current Measure	0.8uA to 20mA Range
Settling time	1000V/ms
Other Features	Stack; Parallel; Digitizer; AWG; Ramp/Pulse Mode; Sweep-Compare

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