

## Titan Manual HBM Test System

**TITAN—HBM****AFFORDABLE  
HIGH VOLTAGE  
HBM TESTING****Titan At-a-Glance**

The Titan from GTS is an easy to use, low cost Human Body Model (HBM) manual test solution with a voltage range of 50 V to 16,000 V.

**Titan Advantages**

The Titan requires no programming. It can be used for design, engineering and characterization of your devices.

The Titan has exceptional pulse quality and repeatability. Each pin has the same delivery path reducing anomalies & pulse distortion. No pre-pulse or post-pulse stresses are present.

Meets current ESDA/JEDEC requirements for a Low Parasitic HBM Tester reducing the number of stress pulses needed for device classification.

Small desktop footprint and self-contained.

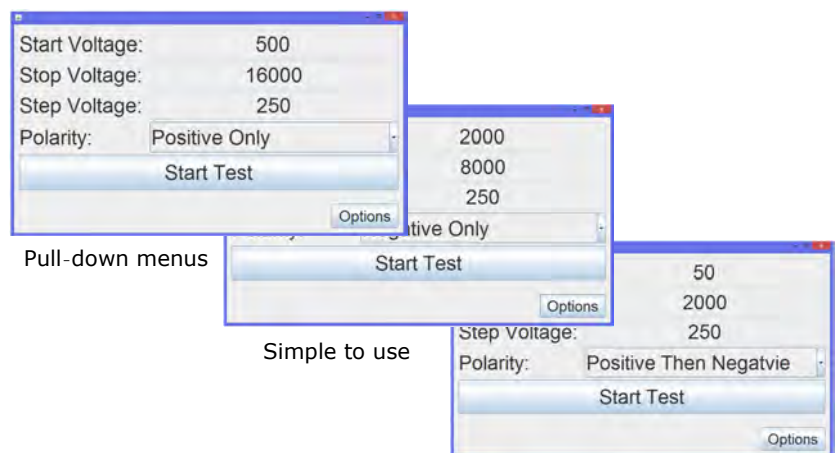


The **Titan** from Grund Technical Solutions offers affordable testing of semiconductor devices, modules and discrete components for sensitivity to Electrostatic Discharge (ESD) - specifically the Human Body Model (HBM).

With a voltage range from 50 V to 16,000 V the Titan has the largest testing range of any low parasitic tester.

An easy to install test fixture board with a wide blade 48-pin dual-in-line zero-insertion-force socket is included. Custom test fixture boards can be user designed by following the online reference PCB design or can be supplied by GTS.

As shown below the test parameter entry is straight forward with no training required. A simple pull-down menu allows the required data to be entered via the touch screen panel.



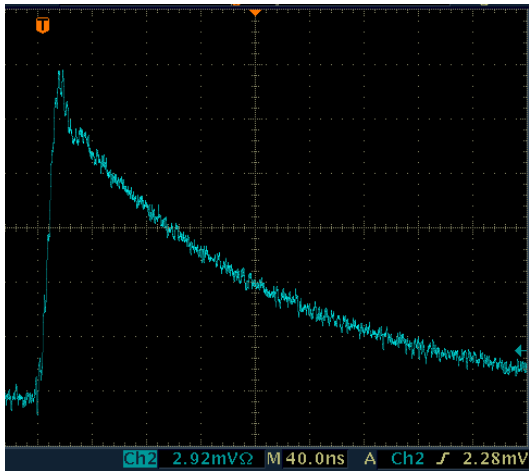
Pull-down menus

Simple to use

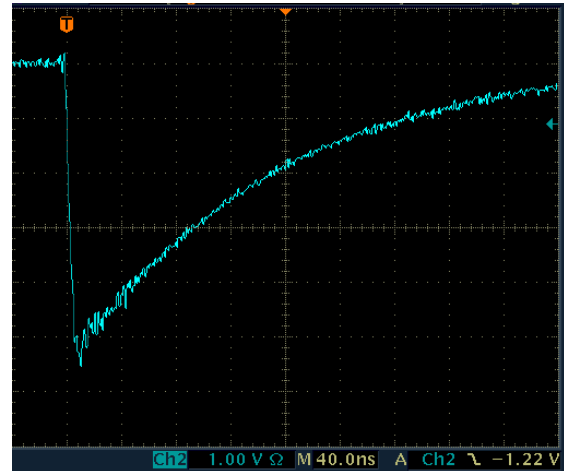
No training required

# Titan Manual HBM Test System

## TECHNICAL DETAILS



**Sample +50 V current waveform**



**Sample -16,000 V current waveform**

### System

- 2 pin to 128 pin capability
- 48 pin fixture board supplied with system—custom boards available
- Safety interlock cover
- Rugged construction:
  - No glass relays or hazardous materials
  - Contains no mercury

### High Voltage Supply

- Voltage Range
  - 50 V to 16,000 V
  - Positive, Negative, or Both
- Voltage Step Size
  - 1 V resolution

### HBM Specifications

- ANSI/JEDEC/ESDA JS001-2014
- AEC Q100-002 REV-E
- MIL-STD 883E M3015.7
- JEITA ED-4701/300 Method 304

### Operating Range

- 10—80% RH non-condensing

### Power Requirements

- 100—240 VAC single phase
- 50—60 Hz, 0.5 A (max)

### Temperature Range

- Operating
  - 40° to 95°F (5° to 35°C)
- Non—Operating
  - 40° to +140°F (-40° to +60°C)

### Physical

- Size:
  - 19.5" (w) x 14.5" (l) x 9" (h)
  - 49.5cm (w) x 37cm (l) x 23cm (h)
- Weight:
  - 32lb
  - 14.5kg

**Grund Technical Solutions, Inc.**

370 South Abbott Avenue  
Milpitas, CA 95035  
USA

Phone: 408-216-8364

Fax: 408-217-0160

Email: [info@grundtech.com](mailto:info@grundtech.com)

Website: [www.grundtech.com](http://www.grundtech.com)