

Barth Model 4003 TLP+™

Pulse Curve Tracer Options

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- ⊗ The Pulse Curve Tracer precisely characterizes the ESD robustness of silicon chip protection circuitry.
- ⊗ Programmed rectangular pulses are applied to the device under test, resulting in a computerized plot of current vs. voltage.
- ⊗ A leakage measurement can be made after each pulse to obtain the leakage evolution current versus pulse voltage.
- ⊗ Set up for packaged device testing; an optional dual wafer probe permits wafer level testing

500ns Wide Pulse Option – Model 4003-02

The Wide Pulse Option is up to 500ns pulse width and provides one (1) External Charge Line (length of your choice). Note: the control box will need to be returned to factory for modification.

30 Amp Option Bundle – Model 4003-05

The 30A Option Bundle provides “True 30 Amp” pulse capability and provides 1,500 volts to an open and 30 Amps through a short. Note: the control box will need to be returned to Barth for modification.

- ⊗ The 30A Option Bundle includes a CPU with T3600 specifications or higher and is required to run the 30A option software, DELL Precision T3600 with Xenon Processor, 4GB Ram, 500GB hard drive, 19” Flat Screen Monitor, Keyboard, Mouse, Windows® 7 OS, and the latest version of BSSP (1 yr subscription).
- ⊗ This option also allows user to analyze HBM and/or HMM circuits for operation characteristics and immunity.

Pulsed Bias Option – Model 4003-07

The Pulsed Bias Option is AC Powered and provides an automatic bypass connection to preserve the leakage test capacity that occurs between TLP stress pulses. Note: the control box will need to be returned to factory for modification.

1500ns Wide Pulse Option – Model 4003-08

Requires -02 500ns Wide Pulse Option; Includes (1) 1000ns Charge Line that is used with the external 500ns (425ns actual) Charge Line to achieve the 1500ns pulse width. 1500ns Wide Pulse Option is limited to below 10 Amps max.

Keithley Model 2400 Upgrade Option - 4003-11

Replaces the Keithley 6487 Model.

580-NFT

80 ns Ramp Generator. Call our office for details.