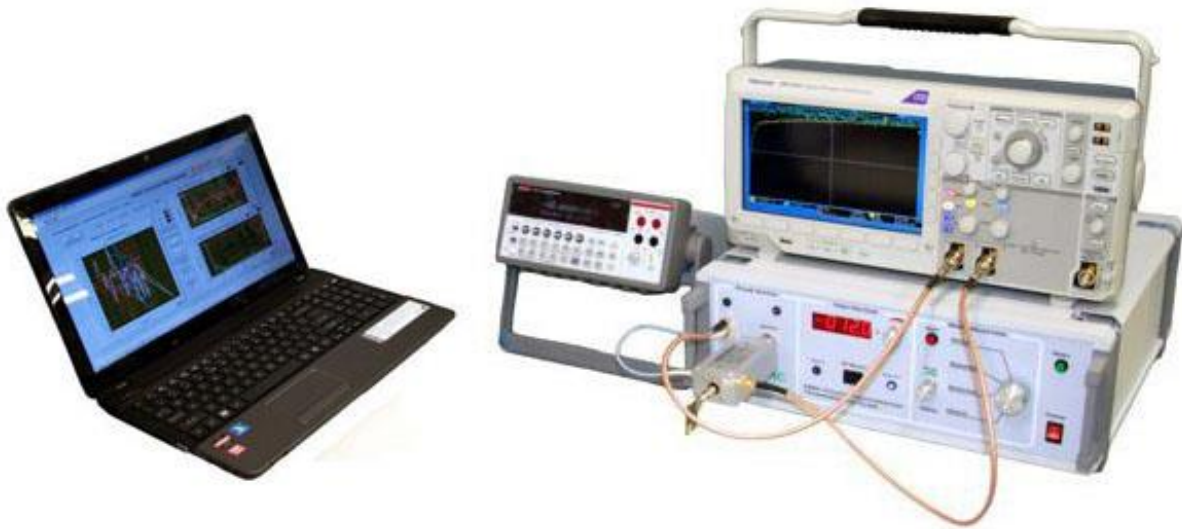


# ES621 Series Advanced Dynamic IV-Curve Test Systems

(TLP/VF-TLP/HMM)



The ES621 Series Dynamic IV-Curve Test Systems are advanced IV-curve characterization systems designed to simulate ESD events (TLP/ VF-TLP/ HMM pulse) and monitor the voltage crossing and current through a device (semiconductors, discrete, circuit modules, etc) in transient high power time domain.

- TLP meets or exceeds **ANSI/ESD STM5.5.1-2008**
- VF-TLP meets or exceeds **ANSI/ESD SP5.5.2-2007**
- HMM pulse current injection equivalent to **IEC61000-4-2** waveform for low ohm device

## Why choose ESDMC for your IV-Curve TLP System

### 1. Our TLP can provide **extremely high ESD current injection!**

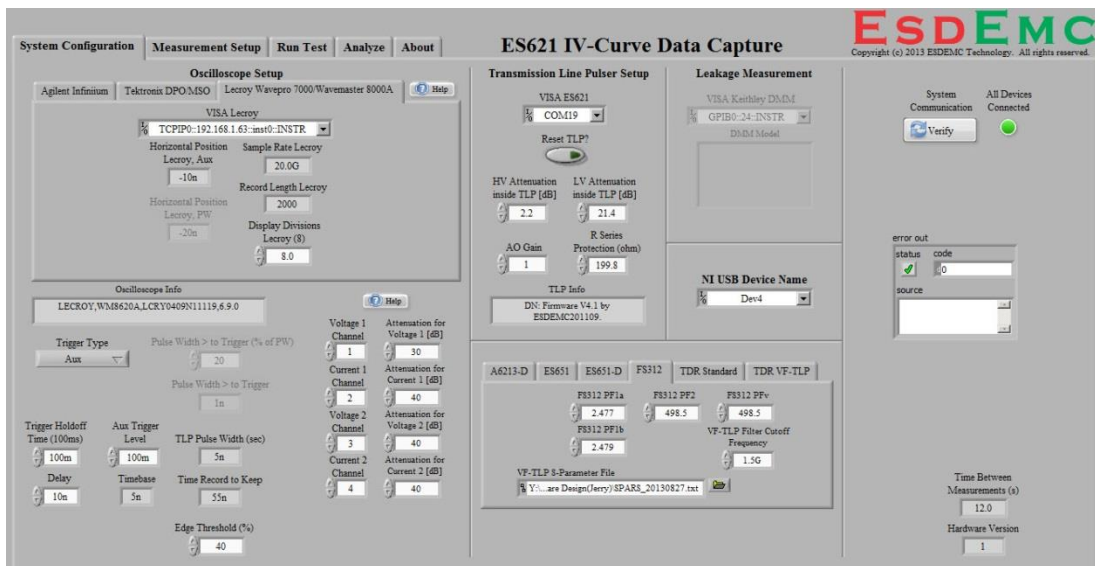
Compared with other IV-TLP competitors in the industry who offer TLP systems in the range of 20A to 30A, ESDMC TLP systems can inject much higher currents:

- Model ES621-40 can inject up to **40A** with programmable X7 rise-time filters and X7 pulse-width selections
- Model ES621-120 can inject up to **120A** with up to X7 rise-time filters and manual pulse width options

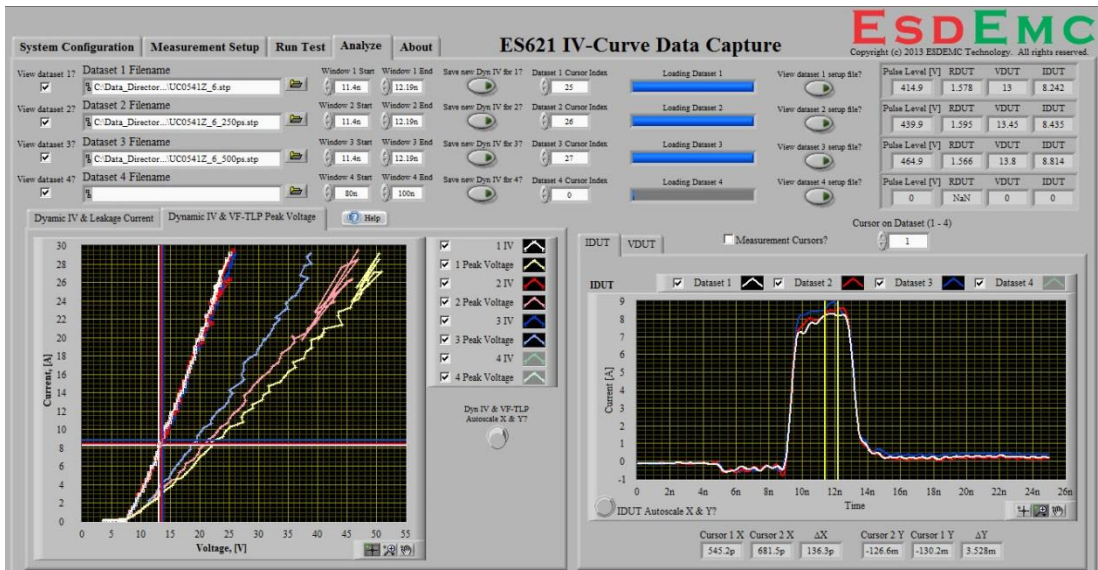
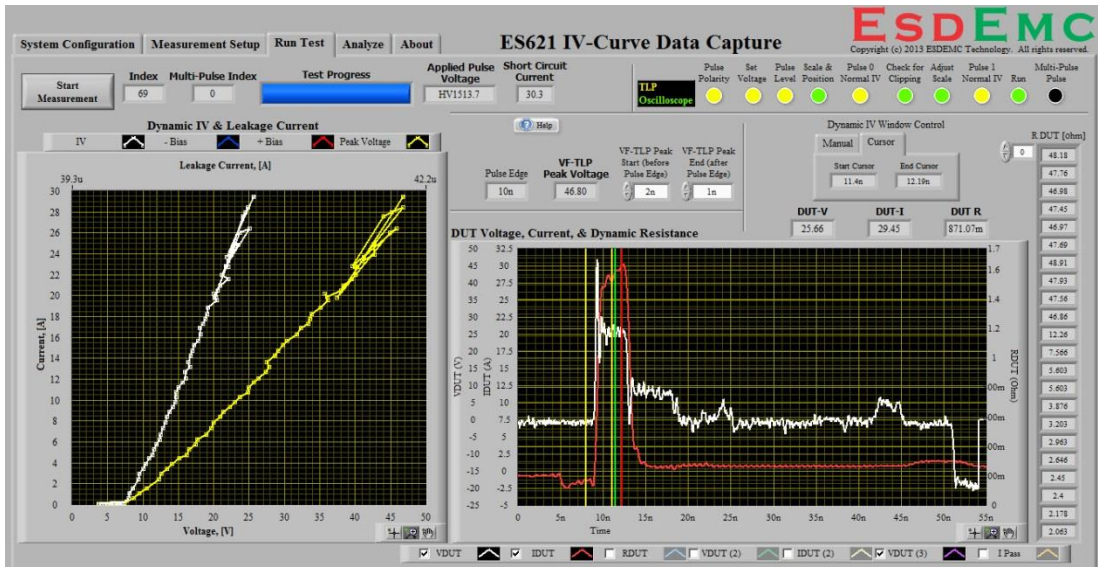
- Model ES621-160 can inject up to **160A** with manual rise-time filter and pulse width options.

**2. Our LABVIEW based TLP Software has **great instrument compatibility**, use your existing instruments, or as part of new complete IV-TLP system and save big!**

Our LABVIEW control software is well structured and works directly with most available IVI Instruments, such as Agilent, Tektronix, Lecroy oscilloscopes. Instrument control drivers for old instruments can be customized and updated over the internet.



**3. Our TLP system software provides **sophisticated running control capabilities and data analysis functionality**.**



#### 4. Features both manual operation and full featured LABVIEW controlled test capability.

Customers can run it in manual mode like an ESD pulser, or customize special TLP test setups and start measurement quickly without computers.



5. Designed and built with high quality parts within a very compact chassis (Usually 3U rack-mount or smaller) plus laptop and small accessories. Customers don't need a lot of space for setting up a new TLP system and they can easily pack and carry the system to other sites for demo or testing.

**6. Great support and service with TLP system.**

All ESDEMC TLP systems are covered with 2-year factory warranty; extensions up to 5 or 7 year are also available. We offer on-site training with the delivery of our IV-TLP system. We are available with video conferencing and remote assistance as long as the customer's site has an internet connection. We also provide our customers with testing consultations and technical support. We can exceed your testing needs. We offer 3 days fast repair or replacement to reduce system down-time at customer sites.

7. We offer our system at very affordable costs. We offer the best possible system with your budget!

**15% Educational discount available for colleges & universities**

**10% Discount for selected IV-TLP test systems**

**Demo and rental test systems available**

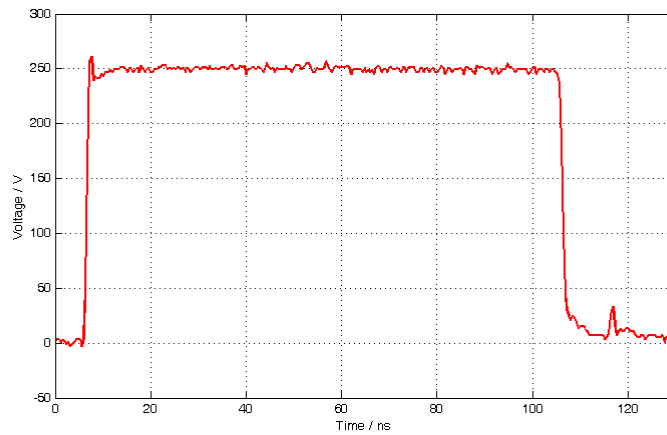
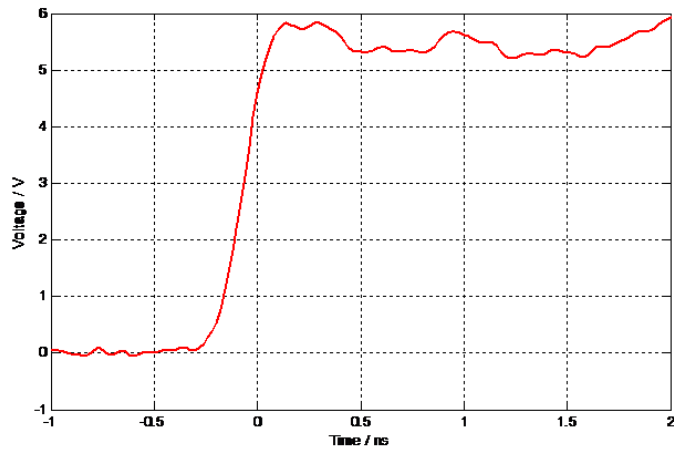
8. Highly customized hardware and software available to create the best solutions for you!

ESDEMC Technology offers customized test and measurement solutions to **fit your budget** and **match your special needs!** We actively work with all our customers to customize hardware specifications, software control, and data analyzed functions. Our customization

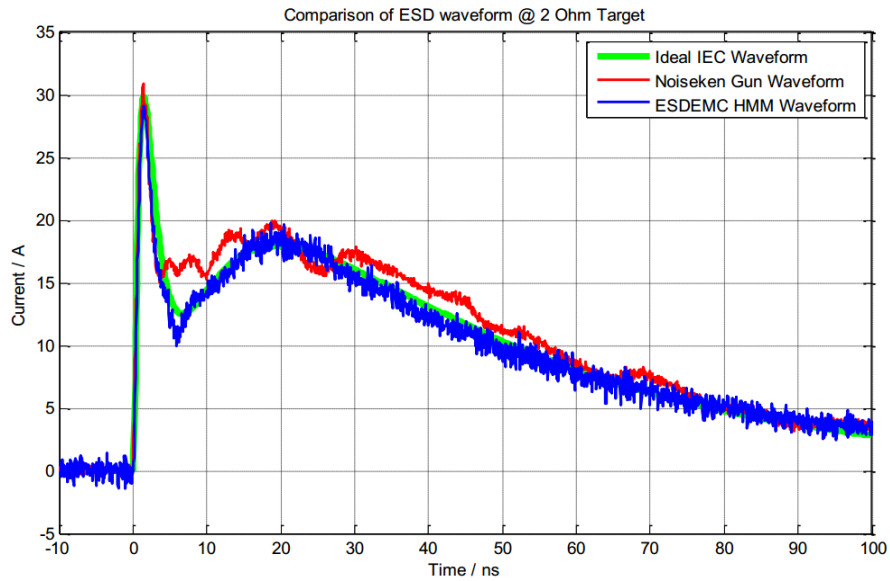
services help customers with the best test solutions possible for them and also help us to extend our TLP capability to a better level.

### 9. Our TLP outputs high quality and clean waveform.

Our TLP and VF-TLP generate very stable and clean TLP waveform with smooth rising edge.



Our 100 Ohm HMM module, by default, match theoretical idea IEC Waveform precisely in all rising and falling curves:



**x7**

**7 Pulse-Width Selections**

Up to 7 programmable pulse-width selections up to 40A

**x7**

**7 Rise-Time Selections**

Up to 7 programmable rise-time selections from 100ps to 50ns. Limited up to 120A

**COMPACT SIZE**

**Compact Size**

3U rack-mount or smaller chassis. Roughly 17.5 x 5.5 x 13 inches and 20 lbs



**Cost-Effective System**

Customized system at a reasonable price. Contact us: [sales@esdemc.com](mailto:sales@esdemc.com)

**Ultra  
High  
Injection**

**Ultra High  
Current  
Injection**

Maximum up to  
160 A pulse  
injection for low  
Ohm DUT. 120A,  
90A, 60A, 40A, and  
30A options are  
available

**TLP  
VF-TLP  
HMM**

**High Quality  
ESD Waveform**

ESDEMC has all  
TLP/VF-TLP/HMM  
modules tuned for  
the most clean and  
stable waveform  
shapes.



**Great Control &  
Analyze  
Features**

Our software is  
built with many  
test and analytical  
features and can  
be customized as  
the best TLP  
solution for you

**2  
YEAR  
WARRANTY**

**2 Year Gold  
Support**

ESDEMC provides  
test consulting,  
remote assistance,  
fast repair or  
replacement, and  
lifetime technical  
support.

***Contact us for more information or a price quote!***

**ESDEMC**  
**EXPERT ESD/EMC SOLUTIONS**

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