

ELECTROPULS® AUTOMATED XY STAGE

CP127390

The Instron® Automated XY Stage for the ElectroPuls test instrument is designed for repetitive and multi-location durability testing. It can easily be adapted to suit many different testing scenarios with many different specimens, devices, and components, including electronic devices, touch sensitive panels, keyboards, performance footwear and clothing.

Fully integrated with Instron's WaveMatrix™2 software, the interface provides an intuitive environment for creating tests that optimize all features of the XY Stage. Testing coordinates can be easily navigated and saved using the multi-function joystick and laser crosshair. Multiple coordinates can then be imported directly into the software.

When precision and flexibility is critical for success, the ElectroPuls XY Stage delivers reliable and repeatable results.



FEATURES AND BENEFITS

- Test multiple locations on a device quickly without manual intervention
- Automation of multiple test locations increases throughput and efficiency allowing operators to work on value-added activities
- Compact design fits into small laboratory space
- Flexible design accommodates a variety of samples
- Integrated with Instron WaveMatrix2 Dynamic Fatigue Software

COMPONENTS

- Motorized XY Stage with 150 x 300 mm usable test area
- XY Stage Controller Box with single phase electrical supply
- Joystick with position logging
- Over-travel protection via light gate system
- Laser guidance for loadstring centre location

REQUIREMENTS

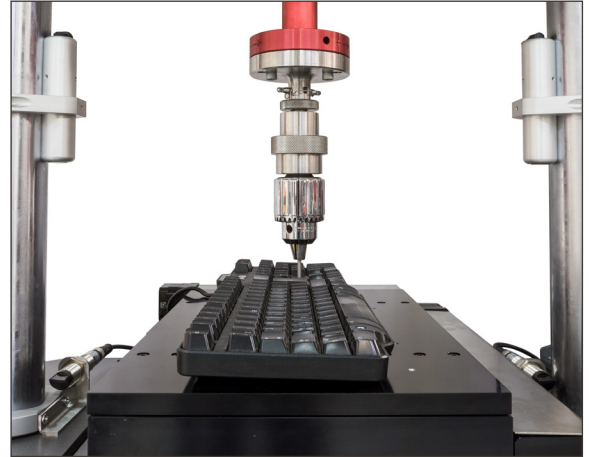
- E3000 System (V1.3 or higher)
- WaveMatrix2 (V2.3 or higher)



ElectroPuls E3000 setup with the Automated XY Stage and WaveMatrix2

SPECIFICATIONS

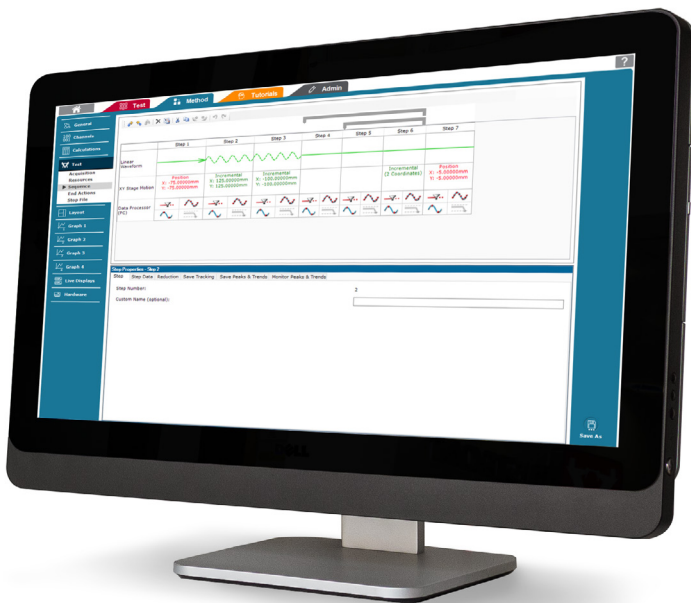
Maximum Stage Load Capacity (Compression)	kN	2
	lbs	450
Stage Speed	mm/sec	25
	in/sec	1
Stage Position Accuracy	µm	±60
	mm	±0.06
Stage Position Repeatability	µm	±5
	mm	±0.005
Electrical Requirements	Single Phase, 47/63 Hz, 80-260 VAC	
Operating Temperature	°C	+10 to 40
	°F	+50 to 104
Component Plate Mounting Area	mm	400x250 with 25x25 of grid M6 tapped holes
Usable Test Area (Travel)	mm	150 × 300
	in	5.9 × 11.8
Adapter Plate	Mounts to base using 3 x M10 holes on 100 PCD	
Upper Fitting	Use appropriate grip or fixture - supplied with A631 - 104 - Probe Holder	



Automated testing across multiple specimen locations



Laser crosshair that gives a precise indication of the contact point



Fully Integrated with Intron WaveMatrix2 Dynamic Fatigue Software



Intuitive Table Manipulation with Joystick Control

www.instron.com



Worldwide Headquarters
825 University Ave, Norwood, MA 02062-2643, USA
Tel: +1 800 564 8378 or +1 781 575 5000

European Headquarters
Coronation Road, High Wycombe, Bucks HP12 3SY, UK
Tel: +44 1494 464646

CEAST Headquarters
Via Airauda 12, 10044 Pianezza TO, Italy
Tel: +39 011 968 5511