

# ELECTROPULS™ AUTOMATED XY STAGE

CP121710

The Instron® Automated XY Stage for the ElectroPuls test instrument is designed for automated durability testing. The flexibility of the Automated XY Stage allows it to adapt for testing of many specimens, devices, and components including medical devices, syringes, keypads, and pill crush. Utilizing Instron WaveMatrix2, the software provides ease of control of the system configuration to meet a variety of testing needs.

The system provides a simplified testing environment for repetitive or multi-specimen and multi-location methods. Testing locations and motion paths can be quickly programmed into the system with its multi-function joystick and laser crosshair. The new XY Pathfinder software also allows the user to quickly calculate all locations automatically, minimizing set up time.

When precision is critical for successful testing, the XY Stage Testing System provides the ability for repeatable and quick results, including applications like insertion and withdrawal testing or precision bend testing.

## Features and Benefits

- Easily test multiple test points on a device without manual intervention, improving reliability and repeatability
- Compact design fits into small laboratory space
- Convenient multi-site testing provides increased productivity
- Flexible design to accommodate a variety of samples
- Saves time by allowing operators to work on value-added activities

## Components

- Joystick with position logging and programmable button functions
- XY Pathfinder software tool with intelligent grid mapping system
- Over-travel protection via light gate system
- Laser guidance for loadstring centre location

## Requires

- E3000 System (V1.3 or higher)
- CP103219 – High Stiffness Table
- PC with Windows 7 or newer

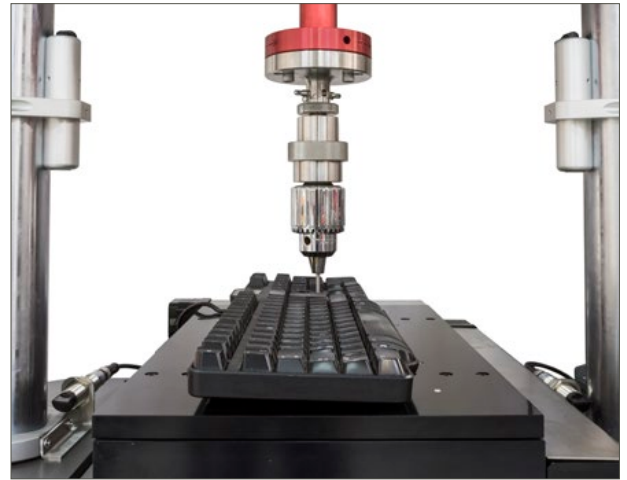


## SPECIFICATIONS

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

## Notes:

1. Longer travel options available upon request



Automated testing across multiple specimen locations



Laser crosshair that gives a precise indication of the contact point



Fully Integrated with Instron® WaveMatrix2 Dynamic Fatigue Software



Intuitive Table Manipulation with Joystick Control.

[www.instron.com](http://www.instron.com)



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