

# High-Stiffness Table for ElectroPuls™ Test Instrument | 1300-311

When installing an ElectroPuls™ test instrument, consideration must be given to the dynamic nature of your intended tests. The frequency and amplitude of cyclic waveform tests should be considered along with actuator acceleration. For low to medium acceleration dynamic tests (actuator acceleration below 6 g: e.g.  $\pm 14$  mm @ 10 Hz,  $\pm 3.7$  mm @ 20 Hz, or  $\pm 1$  mm @ 38 Hz), the load frame must be fitted to a robust and stiff table. The 1300-311 high-stiffness table is specifically built for the E1000 and E3000 instruments to support this level of performance.

## Key Design Features:

- Robust design with high stiffness and scratch resistant tabletop
- Pre-drilled tabletop and threaded attachments that allow the test instrument to be bolted to the heavy duty frame
- Cable management between the ElectroPuls load frame and controller
- Ergonomic height for ease of use and access to the ElectroPuls controller (positioned under the table)
- Large diameter feet to minimize floor point-loading and provide floor bolt down positions (required in earthquake zones)

Caution: You are advised to place your computer or other sensitive electronics on different table. Vibration from cyclic testing could damage your hard drive.

## Specifications

Height		Width		Depth		Weight	
mm	in	mm	in	mm	in	kg	lb
785	31	1000	39	750	30	56	123

For high acceleration dynamic tests (actuator acceleration between 6 g and 10 g), the ElectroPuls load frame base should be bolted directly onto a seismic mass, with the load frame feet removed.

This could be either:

- an additional mass and anti-vibration feet mounted to the high-stiffness table, or
- a suitable stand-alone seismic mass (outline specification available on request)

Please consult Instron for tests above 6 g acceleration.



The recommended ElectroPuls installation layout is shown above. The insert shows integrated stiffening beams for rigidity and higher stiffness. Note - The table shown for the PC and operator panel is not provided by Instron®



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