



Test Partner™ 3



Test Partner Mini

Test Partner 3 (TP3) is a powerful combination of computer software and hardware specifically tailored to the capture and analysis of transient shock events. It can acquire up to four channels of acceleration data simultaneously from shock, drop, or other kinds of impact events.

TP3 utilizes the USB port on your computer for convenient plug-and-play simplicity. TP3 comes in a four-channel Mini configuration, providing flexible, portable testing operations. TP3 Mini includes all signal conditioning built into the hardware. The Mini is fully powered through the USB, providing flexible mobility.

TP3 systems are available with two different software options:

TP3.Lite, and **TP3.ETC**. The Lite version includes 4 channels of acquisition, basic shock analysis, and reporting functions. The ETC software includes all features of the Lite software, plus the ability to compute Shock Response (SR) time domain, Shock Response Spectra (SRS), Force vs. Deflection analysis, Tolerance Bands for MIL-Spec compliance and FFT analysis.



SPECIFICATIONS

Channels: 4 Total
 Sampling Rate: 1 MHz
 Resolution: 16 Bits
 External Trigger: Included
 CE Compliant: Yes

POWER

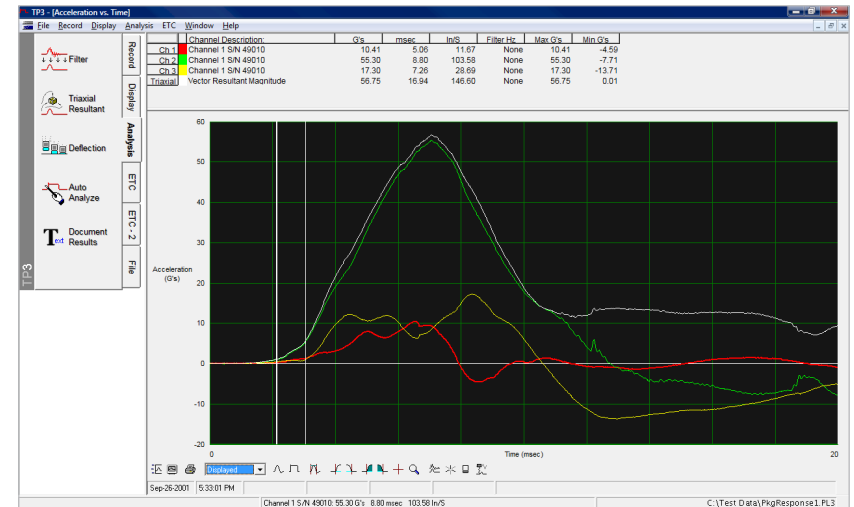
USB: Yes
 AC Adapter: Included
 Voltage: 110 – 220 VAC
 Frequency: 50 – 60 Hz

DIMENSIONS

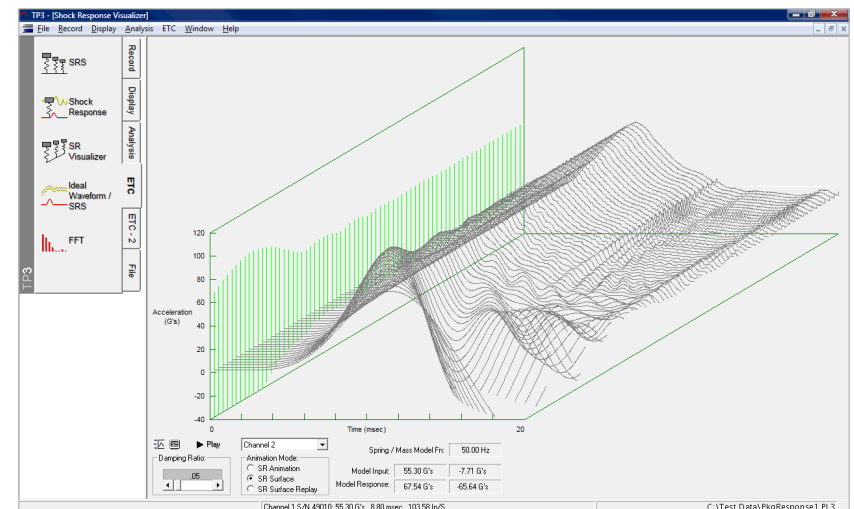
Length: 8.0 in. (20.0 cm)
 Width: 4.6 in. (11.7 cm)
 Height: 2.3 in. (5.7 cm)

Software Features

- Selectable channel and threshold triggering
- Pre- and/or Post- acquisition signal filtering
- Time domain display, multi-channel overlay
- Tri-axial resultant overlay
- Shock Response Spectra (SRS)
- Shock Response - time domain display
- Ideal waveform - with SRS target and tolerance
- SRS Visualizer
- Force / Deflection / Energy calculations
- Rotational shock
- FFT
- Comprehensive data acquisition, output and reporting functionality



Multi-channel acceleration vs. time waveforms



Shock Response 3D surface waveform