**SPT Analyzer Specifications**

**Physical:**
Size: 320 X 250 X 68 mm (12.6 x 9.8 x 2.7 inches)
Weight: 5 Kg (11 lbs)
Temperature range: 0 to 40°C (32 to 104° F) operating; -20 to 65°C (-4 to 149° F) storage
Display: 26.4cm (10.4"), sunlight readable, resolution 1024 X 768
Built in capacitive touch screen
Video Outputs: HDMI, VGA
Power: 4 hour continuous data collection battery pack, 12 VDC car battery, or 100-240 VAC. Extra battery pack supplied.
Charging time: 6 Hours max.

**Electronic:**
Microsoft Windows® 7 Operating System
60 GB SSD internal drive
Ethernet port
4 USB ports
Analog signal conditioning filtering (frequency response) 5 KHZ (-3 dB)
16-bit A/D converter with sampling frequency of 10.24 MHz
4 channels with effective digitizing frequency of up to 100 KHz resulting in user selectable total sample time 82 to 205 milliseconds
Basic unit accuracy 2%

**Functional:**
Built in calibration test function
4 channels of traditional (cabled) data acquisition, universal (strain or acceleration on any channel)
Compatible with traditional (cabled) Smart Sensors
Automatic balancing of signals and signal conditioning
Digital (software) integration of acceleration
Signal conditioning for force and acceleration have similar frequency response
Internal calibration check of strain and acceleration
Signal amplification capability

**Other:**
Operates in English, SI, or Metric units
Optional external USB keyboard, mouse, and WiFi (802.11b,g,n) available
Includes both soft side carry-on luggage case and hard transit case
Equipped for remote technical support using SiteLink
Optional TeamViewer desktop sharing software license for use with SiteLink
Furnished with license for PDA Software Suite (PDA-S, PDIPLOT2 and PDI Curves)
Full one year warranty