SPT Analyzer (SPT) Specifications

Physical

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

Electronic

Microsoft Windows® 10 Operating System
A minimum of 128 GB SSD internal drive
Ethernet port
4 USB ports
Analogue 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® Technology
Furnished with license for PDA Software Suite (PDA-S, PDIPLOT2 and PDI Curves)
Full one-year warranty
Technical manual provided in PDF form on a USB drive