



Pile Dynamics, Inc.

SPT Analyzer (SPT) Specifications

October 2015

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

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

128 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®



Quality Assurance for Deep Foundations

Pile Dynamics, Inc.

Furnished with license for PDA Software Suite (PDA-S, PDILOT2 and PDI Curves)

Full one-year warranty

Technical manual provided in PDF form on a USB drive