



Pile Dynamics, Inc.  
www.pile.com • 1.216.831.6131

## Technical Specifications

# SPT Analyzer

## 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:

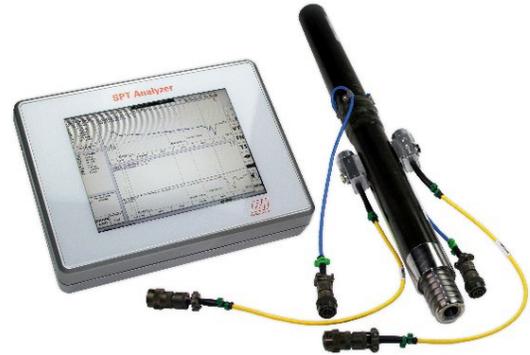
- HDMI

### 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
- Analog signal conditioning filtering (frequency response) 5 KHZ (-3 dB)
- 16-bit A/D converter with sampling frequency of 10.24 MHz





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- 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 (ca-bled) 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, PDILOT2 and PDI Curves)
- Full one-year warranty
- Technical manual provided in PDF form on a USB drive