



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

Technical Specifications

Pile Dynamics Analyzer System Specifications (Model DLT)

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

26.4 cm (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

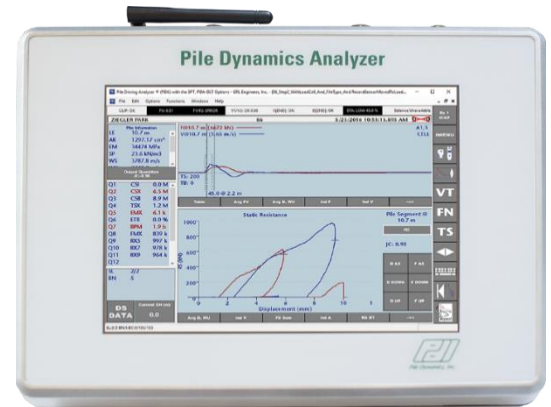
Minimum of 128 GB SSD internal drive

Ethernet port

4 USB ports

Analog signal conditioning filtering (frequency response) 2.5 KHZ (-3 dB)

16-bit A/D converter with sampling frequency of 10.24 MHz





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8 channels with effective digitizing frequency of 10 KHz to 40 KHz selectable
1K, 2K, or 4K data record sizes available
Basic unit accuracy 2%

Functional

Built in calibration test function
Compatible with Smart Sensors
Wireless range up to 100 m (328 ft)
Up to 16 universal (strain or acceleration, piezoelectric or piezoresistive) channels of wireless data acquisition; limit one piezoelectric accelerometer per box
Up to 8 universal (strain or acceleration, piezoelectric or piezoresistive) channels of traditional data acquisition
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
Triggers on any attached strain transducer
User adjustable pre-trigger buffer size
High speed internet data transmission using SiteLink® technology through broadband phone or other network device (additional desktop sharing software needed)
Dial up data transmission through data capable mobile phone connected via USB

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 licenses for PDA Software Suite (PDA-S, iCAP®, PDILOT2, and PDI Curves), GRLWEAP and CAPWAP®
Full one-year warranty
Technical manual provided in PDF format on a USB drive