



Pile Dynamics, Inc.

Pile Dynamics Analyzer System Specifications (Model DLT)

21-121

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

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



Pile Dynamics, Inc.

Quality Assurance for Deep Foundations

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