



Pile Driving Analyzer® system Specifications (Model 8G)

September 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, VGA

Power: 4 hour continuous data collection battery pack, 12 VDC car battery, or 100-240 VAC. Extra battery pack supplied.

Charging time: 6 Hours max.

Electronic:

Microsoft Windows® 7 Operating System

60 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 acquisition¹

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; simultaneous trigger of all channels

User adjustable pre-trigger buffer size

High speed internet data transmission using SiteLink® through broadband phone or other network device (additional desktop sharing software needed)

Dial up data transmission through data capable mobile phone connected via USB

¹ limited to one piezoelectric accelerometer per box

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®, PDI PLOT2 and PDI Curves), GRLWEAP and CAPWAP®

Full one year warranty

PDA manual in PDF format and printed CAPWAP manual included

* The PDA-8G is patented under the Remote Pile Driving Analyzer US Patent No. US 6301551 B1