



PIT Specifications (PIT-V and PIT-FV)

February 2010

Physical:

Size: 75 X 170 X 235 mm.

Weight: 2.2 kg.

Sunlight readable full VGA color touchscreen display for any lighting conditions, resolution 640 x 480 pixels

Screen size 18.3 cm (7.2")

Temperature range: Operating Range: 0° to 40° C; Storage Range: -20° to 65° C.

Includes carry-on transit case.

Powered by internal battery (8 hours duration).

Electronic:

Microprocessor SA 1110 Strong Arm operating at 200 MHz.

Memory card data storage.

24-bit A/D converter with 1 or 2 channels.

Analog signal frequency response 22 KHz (-3dB).

Sample digitizing frequency of > 1MHz.

Sampling frequency accuracy within 0.01%.

Trigger level: 0.3 volts

Functional:

Permits input of name and description for each pile tested.

Date and time stamps.

Signal conditioning. When a force measurement is also acquired, the signal conditioning for force and velocity have similar frequency response curves.

One or two channels of acceleration data acquisition, and one integrator of acceleration to velocity.

Signal amplification capability.

Capability of measuring and reproducing signals of duration between 2 and 30 ms.

Data can be averaged over a variable number of blows.

Variable signal amplification over time.

Includes Fast Fourier Transform feature.

Furnished with PIT-W Standard software.

Other:

Full one-year warranty.

Operates in English, SI or Metric units.

Technical manual included.