PIT-W

Software for in-depth analysis of data collected with the Pile Integrity Tester

PIT-W Professional maximizes the information you can extract from data collected with the Pile Integrity Tester (PIT). PIT-W Pro is particularly useful for:

- Comparing records from several piles on the same site

- Analyzing data from foundations of existing structures

- Assessing unknown foundation length

- Evaluating the severity and location of anomalies along the shaft

The Pile Integrity Tester (PIT) reveals information on the integrity of a shaft. All models are furnished with the Standard version of the PIT-W software, which permits data uploading and adjustment, analysis in the time domain, record organizing and report preparation.

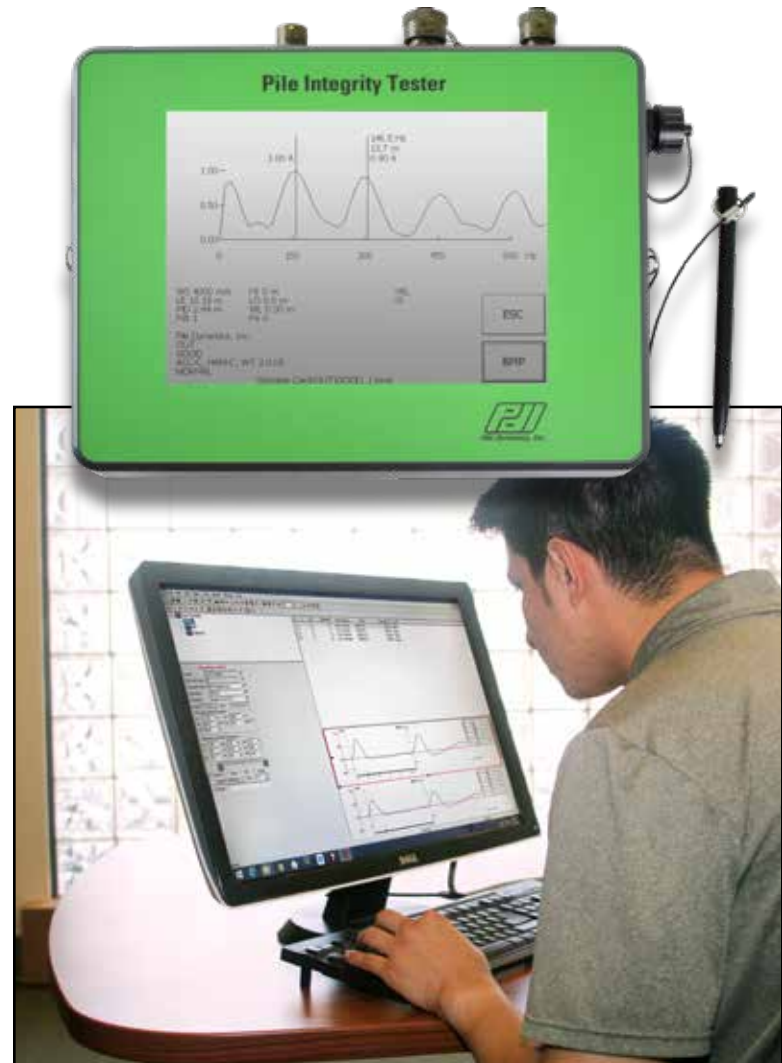## PIT-W Pro Enhances PIT-W Standard with Advanced Features

Profile Analysis - generates a pile impedance versus depth plot to help estimate the shape of the foundations.

ß-Analysis - quantifies impedance changes to help assess the severity of defects.

Frequency Domain Analysis - calculates and displays velocity spectra and peaks to assist in defect detection and location. If force data is available, also calculates mobility and dynamic stiffness. Mobility may help the detection and location of defects in special situations where velocity spectra alone does not. Dynamic stiffness is useful to single out potentially weak piles (when several similar adjacent piles are tested).

Two-Velocity Analysis - calculates wave speed using two-velocity measurements and separates upward from downward traveling velocities, aiding in the interpretation of data from foundations of existing structures and/pr foundations of unknown length.

Multiple Column Plot - generates user customized summary sheets for easy record comparison.

Minimum System Requirements

- Windows XP or newer

- 16 MB RAM

- 10 MB of free hard disk space

- USB port if Hardware Key is selected for licensing

- Display device

- Mouse or compatible pointing device

- Data obtained with any PIT produced after 1998

    PIT-W Professional License is available with hardware or software key