

Smaller Wireless Pile Integrity Tester Unveiled



ADSC Associate Member, Pile Dynamics, Inc. (PDI), Cleveland, Ohio, has introduced a pulse echo integrity testing method to quickly verify the integrity and length of deep foundations. Pile Dynamics first developed an instrument to perform this test in 1991 called Pile Integrity Tester (PIT). This device became so popular that the PIT test is often used in lieu of “pulse echo test.” The method is also known as low strain dynamic foundation testing, a term used in the ASTM document that standardizes it (ASTM D5882). The PIT test involves placing an accelerometer on the foundation and hitting it with a hand held hammer. The accelerometer sends data to the PIT; records are visually evaluated immediately, and later analyzed in further detail.

Pile Dynamics recently launched PIT-X, a Pile Integrity Tester that fits in the palm of your hands, and works with a wireless accelerometer (no cable connecting it to the PIT). All functions available on the latest edition of the PIT-V model have been preserved, including a built-in Fast Fourier Transform (FFT) feature that is particularly helpful to detect the length of short foundation elements in the field.

PDI has also updated the PIT post processing/data analysis software, PIT-W, having recently launched PIT-W 2009 in both Standard and Professional versions.

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