New Pile Integrity Tester

The small and wireless Pile Integrity Tester, PIT-X, was an instant success when Pile Dynamics released it about a year ago, making integrity assessment of concrete piles by the low strain method more convenient without compromising data quality. However, those who wanted to use the PIT to test the integrity or evaluate the length of foundations using two accelerometers still had to use the larger, cabled PIT-FV.

With the release of PIT-X2, this is no longer the case. While routine integrity tests may be performed with one accelerometer, a second accelerometer becomes necessary to test piles under existing structures, to determine concrete wave speed, to evaluate unknown foundation length or to better analyse the records of relatively large piles.

The PIT-X2 looks exactly like the PIT-X, acquiring data from two accelerometers that are coupled to a wireless transmitter. As is the case with previous generations of PIT, the PIT-X2 works with a small hand-held hammer. A PIT-X2 model that will acquire data from the user's choice of either a second accelerometer or an instrumented hammer (the latter is required by code in some countries and is useful in certain complex pile testing situations) is under development. ■

Enquiry: sales@pile.com

Above: PIT-X2 being used on a jobsite.
Left: PIT-X2 transmitter.