

PILE DYNAMICS, INC.

The Acoustic Concrete Tester (ACT) measures the thickness of pavement, slabs, tunnels, and other concrete structures. It uses ultrasonic technology to electronically generate a broadband pulse that includes all frequencies required to accurately determine the thickness of the tested structure. The electronic, instead of manual, excitation of the structure is an innovation in concrete thickness measurements and permits measuring the wave speed of the tested structure. Testing consists of placing two probes on the structure and touching the screen. The structure responds to its natural frequency, and its thickness is displayed on the screen. Each test takes only 1 to 3 seconds, making it possible to cover large areas in a short time. Data is saved for post processing and report generation. The light and rugged ACT works in elements as thin as 75 mm (3 in.) and as thick as 1 m (3.3 ft).

—*Pile Dynamics, Inc.*

CIRCLE 65

