Pile Driving Analyzer (PDA) is a diagnostic tool for evaluating all kinds of foundation pile systems and is the most widely used system for pile driving analysis in the world. The PDA measures strain and acceleration under a dynamic impact and then evaluates shaft integrity and investigates driving stresses and hammer energy during pile installation. In addition, the capacity of several piles can be tested in one day at typically 10 times less cost than for a single conventional static test.

The Model PAK is a robust testing device well-suited for a harsh construction environment. The PAK has a membrane keyboard impervious to dust, oil and water.

The LCD screen is the latest in color technology and can be seen both in low light and direct sunlight conditions. This PDA model features eight channels of data acquisition.

Pile Dynamics® uses the PDA to perform all kinds of Foundation Pile Dynamics analysis. This is a well-known method for analyzing the foundation of a building and assessing its ability to withstand dynamic loads, including the impact of machinery and other equipment. The person in charge of the PDA will then interpret the results and provide recommendations for the construction project.