



The Low Strain Integrity Tester is a reliable and efficient solution for assessing the integrity and continuity of piles and foundation shafts. Using advanced pulse echo and transient response technology, it helps detect defects such as cracks, voids, necking, and soil inclusions, while also determining unknown pile lengths. Designed for accurate on-site testing, the system features a high-brightness display, multi-channel data collection, and real-time analysis capabilities to support fast and dependable foundation evaluation.

## FEATURES

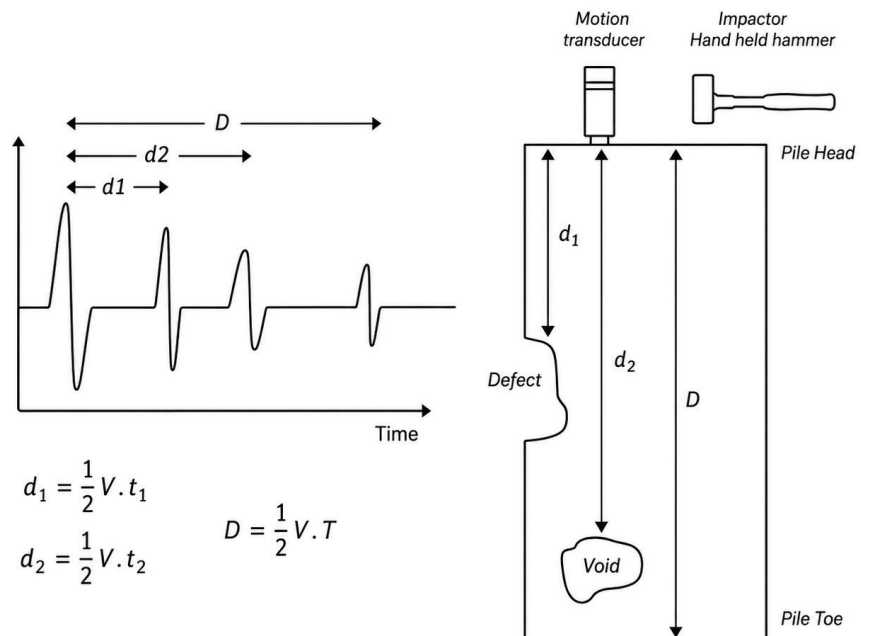
<b>Signal Overlay</b>	Multiple hammer signals overlay for automatic comparison
<b>Display</b>	High-brightness screen for clear visibility under strong light
<b>Data Upload</b>	Supports real-time data upload for monitoring and management
<b>Data Management</b>	Reliable with massive data backup and management
<b>Analysis Software</b>	On-site analysis software for fast and efficient results
<b>Multi-Channel Collection</b>	Three channels available supporting simultaneous data collection
<b>Standards Compliance</b>	Complies with various domestic and international testing standards
<b>Multi-Channel Support</b>	Simultaneous multi-channel data collection
<b>Compliance</b>	Meets various domestic and international testing standards
<b>Connectivity</b>	2 × USB 2.0 interfaces
<b>Power Supply</b>	Built-in battery or external power supply

## SPECIFICATIONS

<b>Operating System</b>	Win CE
<b>CPU Module</b>	Low-power ARM system
<b>Display Screen</b>	8.4" 800×600 high-brightness TFT
<b>AD Resolution</b>	24-bit
<b>Sampling Interval</b>	0.8μs to 52428μs (continuously adjustable)
<b>Sampling Length</b>	1K, 2K
<b>Amplification</b>	X1, X2, X4, X8
<b>Trigger Mode</b>	Steady/Channel
<b>Dimensions</b>	255 × 190 × 50 mm
<b>Display Mode</b>	High-contrast, simplified display
<b>Curve Comparison</b>	Overlay display with automatic comparison
<b>Standard Interface</b>	2 × USB 2.0
<b>Storage Mode</b>	Automatic backup
<b>Storage Capacity</b>	Over 1 million curves
<b>Built-in Battery</b>	84VAh
<b>External Power Supply</b>	+15V/4A
<b>Operating Temperature</b>	-10 to +50°C
<b>Weight</b>	1.7 kg

## APPLICATIONS

The Low Strain Integrity Tester is used to assess the integrity and continuity of concrete piles and drilled shafts. It detects defects such as cracks, voids, and necking, while verifying pile length and construction quality across piling and foundation projects.



For more information about the Low Strain Integrity Tester or to discuss your foundation testing requirements, contact the team at CESCO Equipment. Our specialists can assist with product selection, technical advice, and tailored testing solutions for your piling and geotechnical applications.