



The Caliper Log is an advanced borehole inspection system designed to accurately measure borehole diameter, wall roughness, and casing integrity for pile testing and foundation analysis. Using patented ultrasonic detection technology, it delivers precise directional and spiral scanning to identify fractures, stress directions, and material build-up. Combining ultrasonic and mechanical probes, the compact and lightweight system supports real-time 4G/WiFi data upload, offers more than 12 hours of operation, and provides reliable performance for demanding site conditions.

FEATURES

Complete System Intelligence	Supports real-time data upload via 4G/WiFi for smart cloud detection
Reinforced Fiber Material	Durable and robust design for enhanced strength and reliability
3D Rendering	Provides clear and detailed visualisation of hole quality inspection results
Industrial Waterproofing	IP67-rated protection for reliable performance in harsh environments

SPECIFICATIONS

Display Mode	10.5-inch high-brightness true-colour LCD screen
Operation Mode	Supports ten-point touch
Main Control Form	Pre-installed genuine Microsoft Windows 11 system
Scanning Speed	≥ 20 cycles/second
Frequency Bandwidth	1-500KHz
Time Accuracy	≤ 0.5%
Hole/Trench Diameter Measurement Accuracy	0.2% FS
Measurement Range	500-8000mm (hole diameter/trench width)
Maximum Measurement Depth	150 metres (customisable)
Depth Measurement Accuracy	0.1% FS
Recording Mode	Colour images, data files
Output Methods	On-site printing, USB export
Positioning System	Built-in GPS
Angle Correction	Built-in gyroscope
Operating Temperature	-20°C to +70°C
Power Supply Mode	Power lithium battery, AC220V
Upload Methods	4G / WiFi / Bluetooth
Protection Level	IP67
Host Dimensions	245 × 175 × 8.3 mm
Host Weight	0.5 kg
Winch Lifting Speed	0-20 m/min (continuously adjustable)
Auto-stop Function	Automatically stops at the bottom and mouth of the hole
Winch Dimensions	74 × 57 × 40 cm
Winch Weight	40 kg

APPLICATIONS

The Caliper Log is widely used in geotechnical, piling, and foundation engineering projects to inspect boreholes, drilled shafts, and diaphragm walls. It is ideal for measuring borehole geometry, assessing casing integrity, detecting wall irregularities and fractures, and verifying construction quality in infrastructure, bridge, high-rise, mining, and civil construction applications.

For more information about the Caliper Log or to discuss your borehole inspection and foundation testing requirements, contact the team at CESCO Equipment. Our specialists can assist with product selection, technical advice, and tailored solutions for your geotechnical and foundation projects.