



The Static Load Test System is an advanced solution for accurate pile and foundation load testing. Featuring a high-brightness TFT display, industrial Linux operating system, wireless long-range connectivity, and real-time 4G data transmission, it delivers reliable monitoring and efficient data management for a wide range of static load testing applications.

FEATURES

Display System	10.1-inch high-brightness TFT display with industrial Linux OS
Front-end Display	6.5-inch TFT display for real-time data monitoring
Wireless Dial Indicator	50 mm waterproof digital indicator with >5000 hours battery life
Pressure Gauge	High-precision wireless pressure gauge with >20,000 hours battery life
Wireless Load Sensor	Optional 0.5%FS high-precision load sensor
Wireless Range	Effective wireless distance over 700 m
Remote Control	Unlimited-distance mobile control for real-time testing
Battery Performance	Built-in lithium battery with >10 hours operation
4G Data Upload	Real-time data transmission to three servers
Cloud Integration	Online inspection report generation via cloud platform
Data Storage	Embedded database with rapid project retrieval
Testing Standards	Built-in domestic and international testing standards

SPECIFICATIONS

Host Computer	Display Mode	10.1-inch 1280 × 800 high-brightness TFT screen
	Operating System	Industrial real-time Linux operating system
	Data Upload	Built-in industrial 4G module with rapid data upload
	Connection Mode	Wireless ZigBee connection with automatic network formation
	Connection Distance	Up to 700 m wireless connection distance
	Storage Capacity	Embedded database with large-capacity storage
	Testing Specification	Built-in inspection specifications including American standards
	Extended Application	USB interfaces for extended applications
	Power Supply Mode	Dual power supply: DC and lithium battery
	Battery Life	10 hours
	Voltage	DC 12V ± 5%, power consumption ≤ 15VA
	Overall Dimensions	295 × 227 × 49 mm
	Front-end Computer	Case Type
BeiDou Positioning		Professional BeiDou positioning module
Wireless Connection		Wireless connection
Overall Dimensions		300 × 230 × 295 mm
Wireless Digital Pressure Gauge	Measurement Range	0 to 70 MPa
	Resolution	0.01 MPa
	Accuracy	0.2% full scale
	Battery Working Time	> 20,000 hours
Wireless Digital Dial Indicator	Measurement Range	0 to 50 mm
	Resolution	0.01 mm
	Accuracy	0.1% full scale
	Battery Working Time	> 5,000 hours
	Ambient Temperature	0°C to 40°C continuous long-term operation

For more information about the Static Load Test System or to discuss your project requirements, contact the team at CESCO Equipment. Our specialists can assist with product selection, technical advice, and customised testing solutions for your foundation and geotechnical applications.