

Product Name :
Static Plate Load Tester

Product Code :
CHINAELABC5390001



Description :

Static Plate Load Tester

Technical Specification :

This tester is used to determine the subsidence value of the roadbed under the static load, so as to evaluate the bearing capacity and deformation of the roadbed.

It is suitable for monitoring the quality of foundation construction of railways, highways, airports, urban transportation, ports, terminals and industrial and civil buildings subject to static loads.

After the ground is loaded and unloaded for the first time through the circular load bearing plate and the loading device, the second load is performed, and the measured stress σ of the load bearing plate and the corresponding center settlement value S of the load bearing plate are used to calculate The values of the deformation modulus.

Sensors and some components are imported, with high test accuracy and more reliable test data;
Oil cylinder and manual pump imported from abroad, achieve outstanding pressure control and voltage stabilization performance;

The displacement acquisition device adopts heavy-duty materials and a three-point support design, which has strong anti-seismic and wind-proof capabilities to ensure accurate data;

LCD display in English interface, with backlight, it has better visibility in various environments.

are automatically calculated and display curve.

The hand-held main unit is equipped with a Bluetooth mini printer and directly printed on site to ensure the test results are accurate and objective.

USB transmission interface is convenient for connection with computer.

Voice prompt function makes operation more convenient.

Application area

Application soil type: Various types of soil and earth-rock mixed fillers with a particle size not larger than 1/4 of the bearing plate diameter

Test influence depth: 0 500mm

Working environment: Temp. -10~40 humidity 90%HR

Handheld main unit

Size: Screen size 3 inch Dimension?100x205x40mm Weight 0.8kg

Storage capacity: 400 group testing data

Data transmission method: Cable transmission

Power supply: Large-capacity lithium battery, working time is more than 18 hours

Display: Handheld main unit screen, switch display between Chinese and English interface

Mini Printer

Connection: Wireless Bluetooth printing

Sensor

Pressure sensor range: 100kN

Displacement sensor range: 25mm resolution 0.01mm

Data acquisition device

Loading plate: Diameter?300mm Thickness 25mm Weight around 17.5kg

Loading device: Hydraulic pump capacity 100kN

high-pressure hose length 2m

Plug-in pressure cylinder extension rod 1x40mm?1x90mm 1x120mm 1x160mm 2x60mm

Settlement test device: Three-point support frame (with retractable, rotatable lever arm, adjustable base)

Dimension Around



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