



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

STATIC PLATE LOAD TEST APPARATUS - EV2 - EIE-4020

Ev2 Static deformation modulus tester



USAGE OVERVIEW

Ev2 Plate bearing test set is used to measure the settlement value of Subgrade under static load, so as to evaluate the bearing capacity and deformation of subgrade. It is suitable for monitoring and monitoring the construction quality of railway, highway, airport, urban traffic, port, wharf and industrial and civil buildings subjected to static load.

After the first loading and unloading of the ground by the circular bearing plate and loading device, the second loading is carried out. The values of deformation modulus E_{v2} and E_{v2}/E_{v1} are calculated by the measured stress under the bearing plate and the corresponding central settlement value S of the bearing plate.

PRODUCT FEATURES

1. Imported sensors and some components are used, which has high test accuracy and more reliable test data.
2. Imported cylinders and manual pumps are adopted, with outstanding performance of pressure control and voltage stabilization.
3. The displacement acquisition device adopts heavy profile and three-point support design, which has strong seismic and windproof capability and ensures accurate data.

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Calibration Laboratory:

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



4. LCD display in English and Chinese, with corresponding hints in English under different interfaces, and with backlight, has better visibility in various environments.
5. Automatically calculate Ev1/ Ev2 and Ev2/Ev1 values and display curves.
6. Hand-held mainframe with Bluetooth micro printer can print directly on the spot to ensure the accuracy and objectivity of the test results.
7. USB transmission interface, easy to connect with the computer.

Applicable soil type	soil rock mixes fillers with particuler size less than 1/4 of the diameter of the bearing plate
Test impact depth	0-500 mm
Storage	400 test data
Power supply	Power supplied through lithium ion bettory with more than 18 hours of working life of full charge
Printer	Wireless bluetooth printer
Displacement sensor	25 mm with least count Of 0.01 mm
bearing plate	300 mm diameter, 25 mm thick, Weight 17.5 kg
Loading device	Pump 100 kn with Hose pipe 2 meter long and Pluggable jack
Settlement measuring deveice	Three point bracket with retractable rotary arm and adjustable base with Weight 12.5 kg

All the three devices are supplied with proper carrying case to smooth handling of the material.

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