

**Product Name :**  
GW Light Weight Deflectometer

**Product Code :**  
CHINAELABC4590004



**Description :**

GW Light Weight Deflectometer

**Technical Specification :**

Light weight deflectometer, is a non-destructive (NDT) instruments, also called as dynamic deformation modulus tester (hand-held drop hammer deflection meter), it is used to determine the deflection capacity of the subgrade under the dynamic load, thereby evaluating the bearing capacity and deformation of the subgrade.

The deflectometer can be used to monitor and inspect the quality of foundation construction on railways, highways, airports, urban traffic, ports, terminals, and industrial and civil structures that are subjected to dynamic loads.

Our light weight deflectometer is especially suitable for the detection of narrow sections of the site, such as the transition of roads and bridges (culverts) and the detection of road shoulders and so on. It can quickly measure the dynamic deformation modulus (Evd value).

Usage range

Soil type

Various types of soil and earth and rock mixed fillers with a particle size not larger than 1/4 of the diameter of the load plate

Range

10Mpa?Evd?225Mpa

Depth: 0?500mm

Working environment: Temp.: -10??40? Humidity ?90%HR

Data acquisition device: Adding load method With 1pc geophone sensor Weight: 15kg, including hammer of 10kg drop weight drop value: 700±20mm Maximum impact: 7.07kN Impact duration: 18±1ms

Loading plate Weight: 15kg Diameter:300mm Thickness?20mm

Handheld main unit: Deflection range

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Capacity: 2000 groups of Refer to cell phone config, normally with 10G storage

Size Screen size: 3inches / 5 inch

Power supply: Li-battery of more than 18hours According to cell phone battery

Display: Screen display(Chinese/English switch)-- Cell phone app--

Data transfer: Cable transfer Wifi transfer data

Printer: Connection Bluetooth

Package: Carrying case Inside case material: engineering plastic Measurement: around 420 × 140 × 335mm

Weight: around 4.5KG

Outside case material: aluminum alloy case Measurement: around 1230 × 400 × 400mm Weight: around 56KG



**Engineering Lab China**