

**Product Name :**  
Heavy Weight Deflectometer

**Product Code :**  
CHINAELABC4590002



**Description :**

Heavy Weight Deflectometer

**Technical Specification :**

Heavy weight deflectometer (HWD) is a non-destructive testing instrument for pavement and airport, upgraded from original falling weight deflectometer (FWD). It can be used for pavement bearing capacity measurement and non-destructive testing of stiff bound material as found on airport runways and truck car parks.

Usage

Structure strength test for airport road pavement

Main unit

Trailer, deflectometer, laptop, software

Specification

trailer

Trailer type:

brake system

traction device

signal device

safety sign

alarm

speed: 0~120km/h

trailer length: ?4m

front angle: 34°

axle: two axle

Main function

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auto deflection testing and loading  
auto ambient, surface temp. testing  
auto locking function  
can record more than 60ms data  
auto record deflection, load, temp. GPS and other data  
can do DMI distance calibration and verification  
hammer system up/down auto balance

**Parameter**

working type: trailer type  
hammer lifting: hydraulic type  
power supply: traction device power, DC 12V  
deflection sensor: 9pcs  
min. distance to earth: >20cm  
deflection range: -2500?m~+2500?m  
deflection measuring accuracy: better than 2%  
deflection resolution: 0.1?m  
capacity: 0?250kN  
loading accuracy: better than 2%  
loading plate: D300mm or D450mm (4-side profile)  
temp. Range: -50?~100 ?  
temp. Measuring accuracy: 0.5%  
temp. Measuring resolution: 0.1?  
distance sensor accuracy: 0.1%  
testing time for each point: 35s (3 hammer action)



**Engineering Lab China**