

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, deflectormeter, 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

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)



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