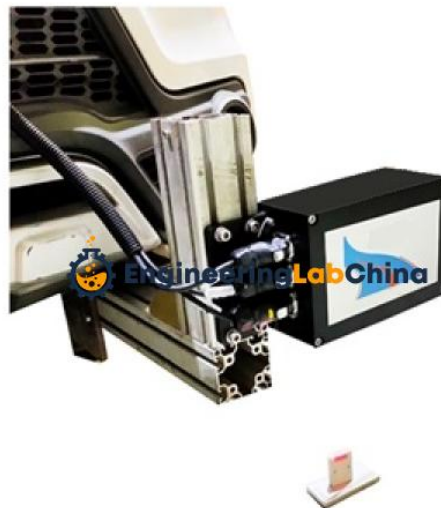


Product Name :
Road Surface Profilometer

Product Code :
CHINAELABC460001



Description :

Road Surface Profilometer

Technical Specification :

The pavement testing equipment uses laser-based sensors to measure the deflection of pavement. According to the customer's individual requirements, we can mount sensors from 1 to 17pcs on different parts of the testing equipment in order to obtain accurate and varying results.

Testing project: IRI, RN, SMTD

Laser (evenness/wheel track): Riftek

Evenness Laser: 125/500

Wheel track laser: 245/1000

Frequency: 9.4kHz

Ground clearance: 375/745mm

Measuring range: $\pm 250/500$ mm

Resolution: ± 0.05 mm

Protection level: IP 67

Accuracy: ± 0.5 mm

Testing project: Pavement evenness, structure depth, wheel track

Laser (evenness/wheel track): Riftek

Evenness Laser: 125/500

Wheel track laser: RF603 245/1000

Frequency: 9.4kHz

Ground clearance: 375/745mm

Measuring range : $\pm 250/500$ mm

Resolution: ± 0.05 mm

Protection level: IP 67
Accuracy : ±0.5mm
Structure depth laser : cuity
Laser
Ground clearance: 300mm
Measuring range: ±100mm
Resolution: 0.01mm
Protection level: IP 67
Linearity: ±0.03%
Communication: Ethernet interface
Acceleration sensor: Lance
Measuring range: ±3g
Resolution: 0.00002g
Frequency: 0.7~2000Hz
Distance sensor
Pulse count: 2000pulse/turn
Protection level: IP67
Measuring accuracy: ±0.5m/km
Sampling interval: 1mm
Vertical section testing accuracy: ±0.5mm
Vertical section wavelength: 1mm~200m
IRI range: 0~20m/km
IRI resolution: 0.1m/km
SMTD resolution: 0.01mm
SMTD accuracy: 0.05mm
Wheel track testing range: 0~200mm
Wheel track testing resolution: 0.1mm
Cross section lane width: 3500mm
Size: Basic part: 1.6m
Removable part: 164mm
Testing speed
IRI: 30~80km/h
SMTD: 30~70km/h
Wheel track: 30~80km/h



Engineering Lab China