

Email: sales@engineeringlabchina.com

Product Name:

Road Surface Profilometer

Product Code: CHINAELABC4600001





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: ±250/500mm

Resolution: ?0.05mm Protection level: IP 67 Accuracy: ?0.5mm

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: ±250/500mm

Resolution: ?0.05mm

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



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