

**Product Name :**  
Road Surface Profilometer Single

**Product Code :**  
TEST5107RFQLAB-0004



#### Description :

Road Surface Profilometer Single

#### Technical Specification :

This road surface profilometer consists of hardware(modular components) and software, which is widely used for inspecting the indices and characteristics of highway, pavement, airport runways, etc.

The device adopts laser sensor, accelerometer and DMI, which allows the testing for IRI (International Roughness Index), MPD (Mean Profile Depth), SMTD (Sensor Measured Texture Depth), etc.. In order to achieve different functions, the sensors can be configured from single to 17pcs according to customer's requirement. The road surface profiling device is ideally suitable for both highway and airport.

#### Features

Modular system enables easy maintenance;

Real-time data collection for IRI, SMTD, speed, etc.

Testing at traffic speed enables faster measuring and saving time;

Real time graph display;

Adopts imported sensor from Republic of Belarus;

Equipped with imported accelerometer Lance;

Conforms to ASTM E950 Class 1 profiling;

Testing project: IRI, RN, SMTD

Laser(evenness/wheel track): Riftek

Evenness laser: RF603 125/500

Wheel track laser: 245/1000

Frequency: 9.4kHz

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Ground clearance: 375/745mm  
Measuring range:  $\pm 250/500$ mm  
Resolution:  $\pm 0.05$ mm  
Protection level: IP 67  
Accuracy:  $\pm 0.5$ mm  
Structure depth laser: Riftek

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