

Product Name :
Pavement Walking Profiler

Product Code :
TEST5107RFQLAB-0006



Description :

Pavement Walking Profiler

Technical Specification :

This high-precision walking profilometer is designed with an imported angular sensor & tablet. The pavement longitudinal profile can be measured during operator push-walking at normal speeds up to 3km/hr, then outputs such as IRI and SMTD(MPD) can be produced through calculation of mathematical models.

The walking profiometer can be widely used for inspecting quality of pavements, footpaths, tunnels, airport runways and building slabs, or being reference tool for calibrating & assessing for vehicle type high speed profilers.

Portable in small size, simple operation.

Detecting system is connected to tablet by Wi-Fi.

Real-time results of IRI and MPD index & curve are displayed on tablet screen, which can be printed on site immediately.

Data acquisition & processing is performed by tablet.

Comparing with vehicle-mounted laser profiler, this walking-profiler detecting speed is slower, but the detection accuracy is higher.

Technical Parameters

1) Detecting & output items:

International Roughness Index (IRI)

Standard deviation of roughness (S)

Ride quality Index (RQI)

Sensor Measured Texture Depth (SMTD(MPD)), (MPD optional)
Inspection speed, distance and slope of longitudinal profile for pavement
Detecting speed: normal walking speed
Calculated road length: any length above 5m
IRI sampling interval: 12.5 cm
SMTD(MPD) sampling interval: 1mm
Power: Large-capacity rechargeable lithium battery
Working temperature: -40?~80?
Dimensions of packing: 650 mm×380 mm×330 mm
Gross weight: 20Kg

Detector car with pushing rod & tablet holding frame
Tablet with Windows 7 software
Inspection software CD with manual
Calibration platform
Portable printer
Packing case

We are a leading manufacturers of Pavement Walking Profiler testing equipment for a range of industries, including materials science testing lab. We offer full range of Pavement Walking Profiler testing equipment, including Pavement Walking Profiler testing kit, Pavement Walking Profiler testing machine, Pavement Walking Profiler testing tools, Pavement Walking Profiler test equipment, Pavement Walking Profiler test machines, Pavement Walking Profiler for Lab Testing Instruments. We are suppliers of materials testing tools and equipment for the construction industry. Our mission is to provide reliable, accurate, and easy-to-use Pavement Walking Profiler testing equipment that helps customers build better, safer, and more sustainable infrastructure.



Testing lab instruments India