

WALKING PROFILOMETER DAPRES-III

The Walking Profilometer DAPRES-III is a high-precision measurement instrument for collecting surface condition information, at true walking speed.

The Walking profilometer produces outputs from pavement profile, providing International Roughness Index (IRI), MPD texture (as an optional parameter) and distance. Platform is separate to the carriage, which means it is less susceptible to operator input. Data can be collected at variable speeds up to 5km/h and is controlled by an Android tablet. Real-time results are displayed on the screen, allowing for onsite decision making.

MEASURABLE PARAMETERS

- International Roughness Index (IRI)
- Roughness standard deviation (σ)
- Ride Number (RN)
- Ride Quality Index (RQI)

FEATURES

- Small size and portable
- Suitable for most surfaces.
- Optional laser for MPD texture measurement
- Real-time screen displays for onsite decision-making
- Varying collection speed options
- Android tablet operation
- Bluetooth connectivity
- Easy upload and download of data from Android tablet



SINCE 2006

ZHUOZHOU TIANPENG INSTRUMENT MANUFACTURING CO., LTD.
Website: www.testmould.com Tel: +86-312-3852880

WALKING PROFILOMETER DAPRES-III



APPLICATIONS

- Provides outputs of IRI, longitudinal profile and distance
- Reference tool for calibrating and assessing high speed profilers
- Suitable for many surfaces, including pavements and footpaths, airfields and runways, bridges and parking lots.

TECHNICAL SPECIFICATIONS

Operator	1
Operating speed	Normal walking speed
Calculated road length	Any length above 5m
IRI sampling interval	12.5cm
Texture depth sampling interval	1mm
Correlation of roughness reference results (reference level)	Correlation coefficient $R^2 > 0.95$
Measurable profile height difference resolution	<0.05
Distance detection resolution	<12.5 cm
Power supply	Large capacity lithium battery
Operating ambient temperature	40 °C ~ 80 °C
Dimensions	650mm×380mm×330mm
Weight	20kg



SINCE 2006

ZHUOZHOU TIANPENG INSTRUMENT MANUFACTURING CO., LTD.
Website: www.testmould.com Tel: +86-312-3852880