A cost-effective, portable device that provides objective and repeatable roughness results on sealed and unsealed roads.

ROUGHOMETER III

The Roughometer III is a response-type roughness device, complying to World Bank Class 3 requirements. Unlike other devices in this class, the Roughometer III eliminates the uncertainties associated with the vehicle (such as the vehicle's suspension or passenger weight) by directly measuring the axle movement with a precision accelerometer. This means the Roughometer III does not need to be calibrated experimentally to produce true International Roughness Index (IRI) results.

Practical and easy-to-use, the Roughometer III provides a simple technique for road quality assessment and has the advantage of an integrated GPS unit and the ability to collect up to 13,000 km of data. Once a survey has been undertaken, the Roughometer III processing software enables the data to be formatted into custom graphs, tables and maps.

Applications

- Provide objective data for true evaluation of the roughness level of the road
- Objectively compare and analyse which roads are in need of repair
- Monitoring roughness deterioration trends on both sealed and unsealed roads

PAVEMENT MANAGEMENT INTELLIGENCE

COLLECT ACCURATE ROUGHNESS DATA WITH INTEGRATED GPS

Features

- Accurate and repeatable outputs regardless of vehicle type, suspension and passenger loads
- Axle-mounted inertial sensor used to determine road profile and roughness
- Integrated GPS for location data with on-screen display of satellite tracking status
- Outputs in International Roughness Index (IRI) or NAASRA counts
- Can be installed in most passenger and light commercial vehicles
- Fast and simple download of data, to laptop or computer, using USB connection
- Multi-format reports available including tables, graphs, GPS maps and .CSV files

Components

- Roughometer hand-held controller
- Interface module
- Inertial module and mounting brackets
- Distance Measurement Instrument (DMI)
- GPS antenna with magnetic base mount
- Processing software

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