Roughometer 4

Real-time IRI from a tablet or phone.

ROUGHOMETER 4

The Roughometer 4 continues a twenty year tradition of providing simple, portable and highly repeatable measurements of road roughness, on sealed and unsealed roads.

The Roughometer 4 is a World Bank Class 3 response-type device, measuring IRI directly from the axle movement using a precision accelerometer.

This eliminates the uncertainties typically associated with other roughness response type meters or phone applications, such as the vehicle's suspension, or varying fuel and passenger weights.

The unit utilizes a wireless distance sensor and can be operated with most Android phones or tablets. Survey data is stored on the Android device, with the amount of collected data only limited by the storage capacity of that device.

Applications

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

Features

- Operated using two wireless buttons mounted on the vehicle dashboard.
- Wireless distance sensor, eliminating the need for wheel mounted devices. Optional externally mounted Distance Measurement Instrument (DMI) available.
- Utilizes GPS functionality of Android device, with collected surveys displayed on a Google Maps interface.
- Multi-format reports available including KML and CSV files.
- Allows for MP3 voice recording of events.

Standards Compliance

- World Bank Technical Paper #46
- ASTM E1926
- ASTM E1082
- ASTM E2560
- EN 13036-5
- EN 13036-6
- TMH 13 Part C
- IRC:SP:16

Please check the compatibility of the ODB-II system in your country. For coverage information, visit https://arrbsystems.com/fact-sheet/roughometer-4/

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