

Walking Profiler G2

About ARRB:

ARRB Group Ltd (ARRB) provides research, consulting and information services to the road and transport industry. ARRB applies research outcomes to develop equipment that collects road and traffic information and software that assists with decision making across road networks. ARRB is the leading provider of road research and best practice workshops in Australia.

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MATERIALS, PAVEMENT & CONCRETE DESIGN & TESTING | TRANSPORT POLICY, OPERATIONS & ECONOMICS |
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Walking Profiler G2

precision profiling tool for manual applications

The Walking Profiler G2 is a high precision measurement instrument for collecting and presenting continuous paved surface information.

The ARRB Walking Profiler (WP) G2 meets World Bank Class 1 Profilometry requirements and produces outputs for pavement profile, roughness in International Roughness Index (IRI), grade and distance.

The WP G2 samples the pavement surface at a walking pace. As the built-in data acquisition module collects and stores the data, results are displayed in real time for simple and instant data analysis.

The acquisition module is then simply detached from the WP and taken back to the office for upload to a PC or for further detailed analysis.

This compact and easy to use device is accepted by PIARC (2002), FHWA (2000) and TxDOT (2000) as a reference tool for the calibration of roughness measuring equipment (including laser profilers).

Applications

- Provides accurate measurements of true profile height, grade and level
- Reference tool for calibrating and assessing high speed profilers
- Suitable for many surfaces, including:
 - paved roads and footpaths
 - airfields and runways
 - building slabs
 - sporting surfaces
 - bridges
 - carparks

Components

- Walking Profiler G2 unit
- Data acquisition module
- Data download cable
- Battery charger
- Advanced Footworks data processing and reporting utilities software



Features

- A World Bank Class 1 Profilometry device
- A custom data acquisition module with high visibility LCD screen (operates in bright sunlight and is backlit for operation in poor light)
- Simple 5 button operation with a user-friendly touch screen that controls all setup and survey functions
- Easy on-site setup procedures that minimise start-up times
- Light-weight device is easily transported
- Easy clip in battery replacement with 8+ hours operation time

