



WALKING  
PROFILER | G3

## Walking Profiler G3

The Walking Profiler G3 is a high-precision measurement instrument for collecting surface condition information, at true walking speed.

The ARRB Walking Profiler (WP) G3 produces outputs from pavement profile, providing International Roughness Index (IRI), MPD texture (as an optional parameter) and distance.

Differing from previous generations, the WP unit utilises a tri-axial accelerometer mounted on a rolling platform, to enable measurement of longitudinal profile. This 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/hr and is controlled by an Android tablet. Real-time results are displayed on the screen, allowing for on-site decision making. Data can then be uploaded to the cloud via a Wi-Fi connection or downloaded via USB cable.

### Applications

- Provides outputs of IRI, longitudinal profile and distance
- Reference tool for calibrating and assessing high speed profilers
- Suitable for many surfaces, including:
  - paved roads and footpaths
  - airfields and runways
  - building slabs
  - bridges
  - carparks

# precision profiling tool for manual applications

## Features

- World Bank Class 1 Profilometry device
- Varying collection speed options
- Option for MPD texture measurement
- Android tablet operation
- Bluetooth connectivity
- Outputs of ERD and PPF files, for use in ProVAL



## Components

- Walking Profiler G3 unit
- Android tablet
- Battery charger
- Calibration plate and block
- Transportation case



### 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. ARRB Group Ltd | ABN 68 004 620 651

**Victoria | Head Office**  
500 Burwood Highway,  
Vermont South VIC 3133,  
Australia.  
P: +61 3 9881 1555,  
F: +61 3 9887 8104,  
info@arrb.com.au

**New South Wales**  
2-14 Mountain St,  
Ultimo NSW 2007,  
Australia.  
P: +61 2 9282 4444,  
F: +61 2 9280 4430,  
arrb.nsw@arrb.com.au

**Queensland**  
123 Sandgate Road,  
Albion QLD 4010,  
Australia.  
P: +61 7 3260 3500,  
F: +61 7 3862 4699,  
arrb.qld@arrb.com.au

**South Australia**  
Aurora Building, Suite 507,  
147 Pirie St  
Adelaide SA 5000,  
Australia.  
P: +61 8 7200 2659,  
arrb.sa@arrb.com.au

**Western Australia**  
191 Carr Place,  
Leederville WA 6007,  
Australia.  
P: +61 8 9227 3000,  
F: +61 8 9227 3030,  
arrb.wa@arrb.com.au

**USA | International**  
770 Pennsylvania Dr.  
Suite 112, Exton 19341,  
Pennsylvania, USA.  
P: + 1 610 321 8300,  
F: + 1 610 458 2467  
arrbgroup.net