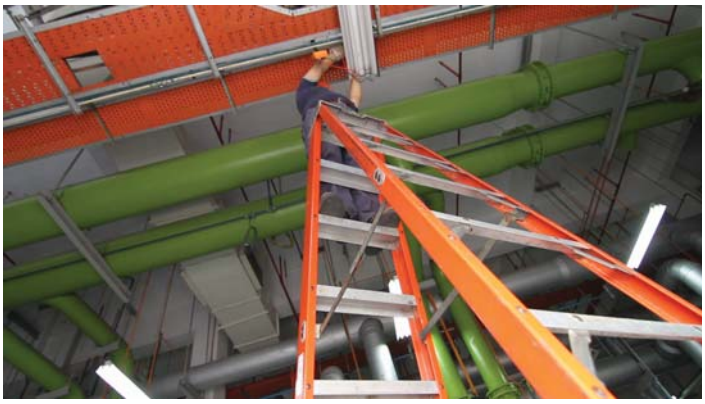
The Wireless Remote Connectivity Solution for Agilent Handheld Digital Multimeters Brochure

On site testing in large industrial sites can be challenging.

Machinery is large, and may be operating.



Test points can be far apart, or high above the ground.

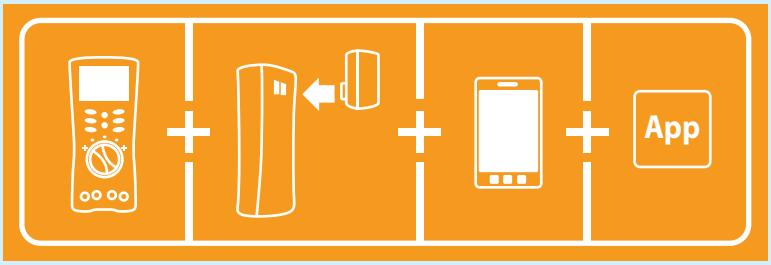
Have you ever wanted to carry out the tasks below with a handheld DMM but could not do so?

- *Measure multiple points during troubleshooting and yet log all of the data simultaneously?*
- *Need to make measurements at electrical panels while toggling switches at the other end of the hall?*
- *Diagnose and evaluate live machinery from a safe distance?*
- *Monitor measurements in harsh environments?*
- *Log all of the data to diagnose intermittent issues from afar?*

All these are made possible with the Agilent Wireless Remote Connectivity Solution for handheld DMMs.
Agilent lets you turn your Android smartphone or tablet into a remote measurement, control and reporting device.

Agilent Technologies

The Agilent Wireless Remote Connectivity Solution



Using *Bluetooth*® technology, the Agilent Wireless Remote Connectivity solution comprises of the Agilent U1177A Infrared (IR)-to-*Bluetooth* adapter, Agilent handheld digital multimeters (HH DMMs) and the Android applications, the Mobile Basic and Mobile Logger.

The core of the solution is the Agilent U1177A Infrared (IR)-to-*Bluetooth* adapter, a compact *Bluetooth* module that plugs into any of Agilent's handheld digital multimeters (HH DMMs).

The hardware and software setup

1. Making the hardware connection – it's as easy as A-B-C

First, switch on the *Bluetooth* adapter and attach it to an Agilent handheld digital multimeter (HH DMM). For the U1240 Series, a separate U1179A IR bracket is needed before you could plug in the *Bluetooth* adapter.

The U1177A *Bluetooth* adapter works with all Agilent handheld digital multimeters.

Each U1177A *Bluetooth* adaptor has its own unique Media Access Control (MAC) address. Pair the Agilent HH DMM that has an U1177A attached to it with Android smartphone or tablet. The wireless remote connectivity solution is now ready for your data monitoring and logging purposes.

Compatibility chart:

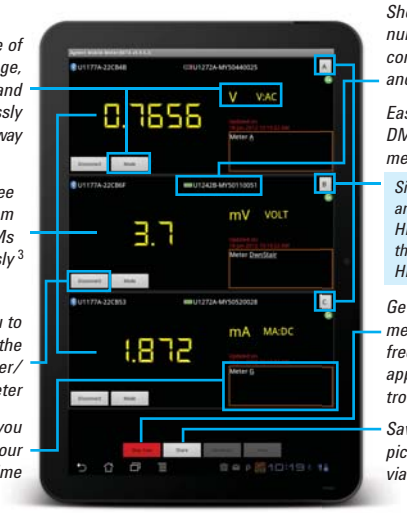
Model No.	U1230 Series	U1240 Series	U1250 Series	U1270 Series
Description	- Entry level HH DMMs - Ideal for basic measurements - Built-in torchlight for low light conditions	- General-purpose HH DMMs - Ideal for field testing - Switch counter, harmonic ratio functions to improve productivity	- General-purpose, high performance, high accuracy HH DMMs - Ideal for electronic troubleshooting - Enhanced capabilities include built-in square-wave generator, OLED display (U1253B)	- Full featured industrial HH DMMs with IP 54 ratings - Ergonomic, rugged, water-and-dust-resistant - Z_{LOW} to eliminate stray voltages, Smart Ω to minimize false readings due to leakage current, and Low Pass Filter (LPF) to eliminate high frequency noise and harmonics
Compatibility with the U1177A *Bluetooth* Adapter	✓	✓ (needs a U1179A IR bracket - sold separately as an accessory)	✓	✓

2. The software that makes data monitoring and logging possible

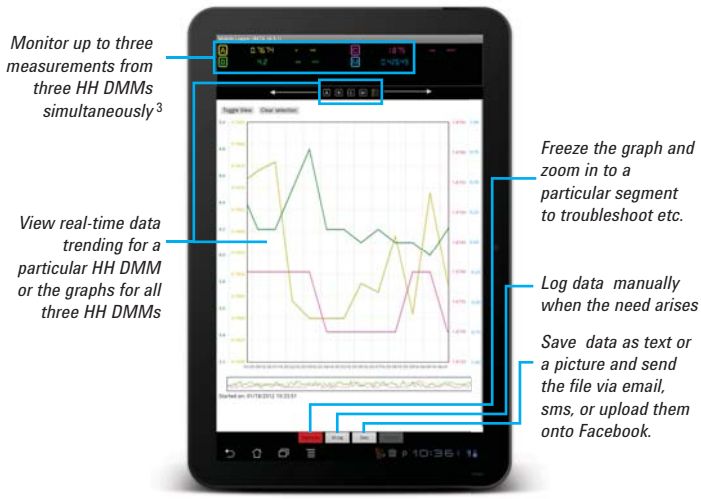
The Agilent Wireless Remote Connectivity solution comes with complimentary software applications, the Mobile Basic and Mobile Logger for Android smartphones or tablets[1].

First, download both applications from www.agilent.com/find/hh-Android, or from the Android Market (http://market.android.com/)

The Agilent Mobile Meter Android-based application

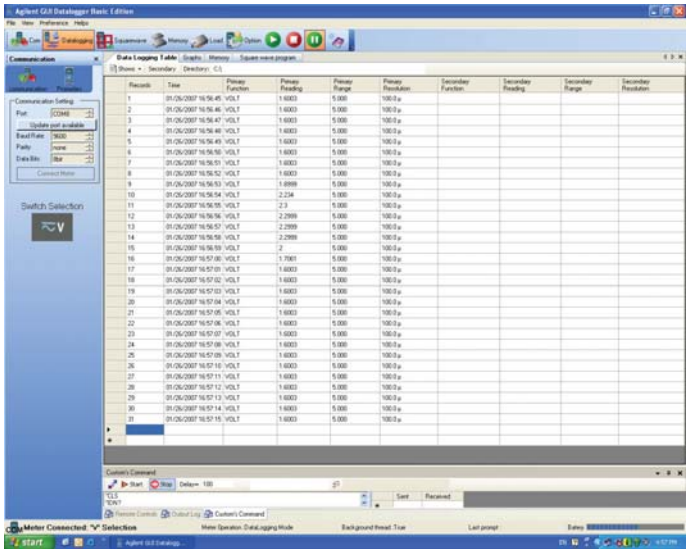


The Agilent Mobile Logger Android-based application

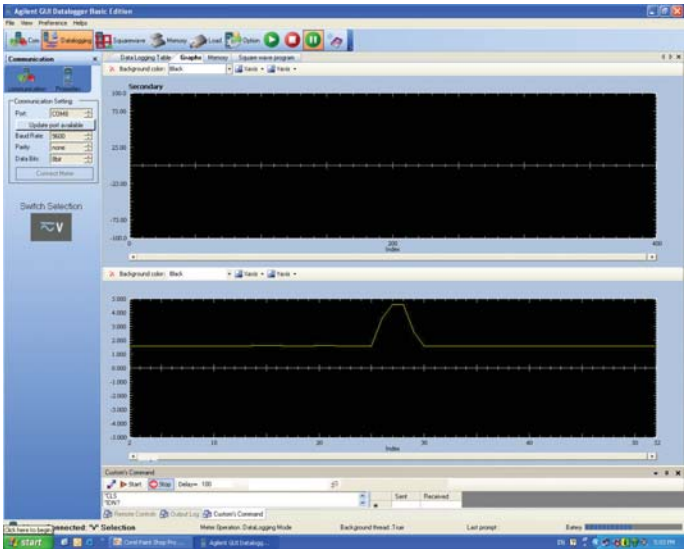


3. The Agilent Graphical User Interface (GUI) Data Logger Software for Personal Computer (PC) Users

Alternatively, data logging and monitoring activities can also be performed with Agilent GUI data logger software via *Bluetooth* connection.



Data logging in tabular format in Agilent GUI Data Logger Software



Data logging in graphical format in Agilent GUI Data Logger Software

Notes:
1. Tested on certain Android smart phones and tablets. Please refer to www.agilent.com/find/U1177A for more information.
2. Measurement functions depend on the rotary position of the HH DMM
3. Number of HH DMM connections depends on the smart phone / tablet used.

More information on the Agilent Wireless Remote Connectivity solution
Watch a video: www.agilent.com/find/hhgowireless
Download an application note: www.agilent.com/find/hhgowireless

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