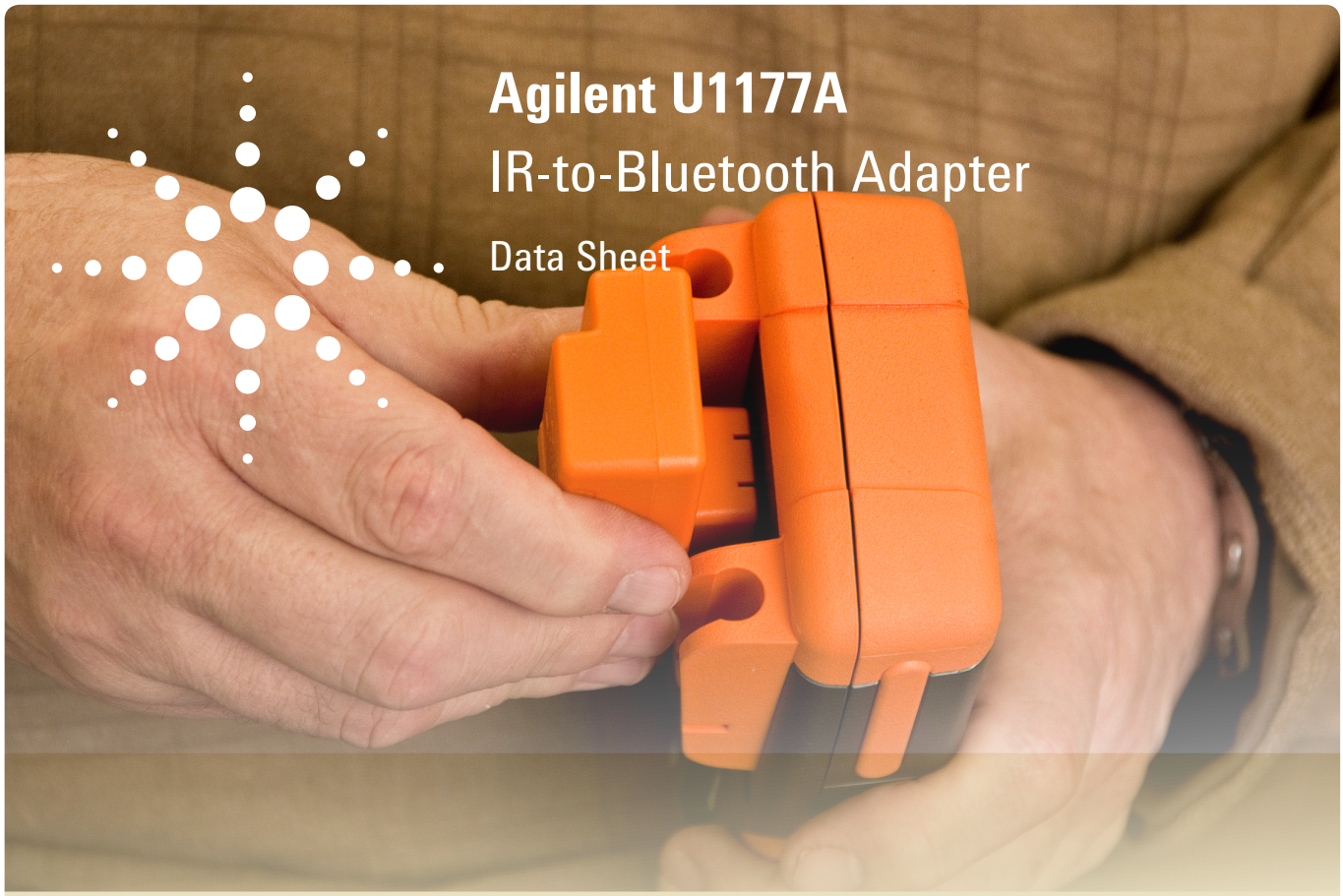

Agilent U1177A

IR-to-Bluetooth Adapter

Data Sheet

Features

- Enables Bluetooth® connection to Agilent handheld digital multimeters
- Easy to install by attaching to Infrared (IR) port located at the back of Agilent handheld digital multimeters
- Compatible with Agilent U1230 series, U1240 series, U1250 series and U1270 series handheld digital multimeters
- Operated by two 1.5 V AAA batteries

The Bluetooth® word mark and logos are registered trademark owned by Bluetooth SIG, Inc and any use of such marks by Agilent Technologies, Inc. is under license. Other trademark and trade names are those of their respective owners.

Agilent U1177A Infrared (IR)-to-Bluetooth® adapter offers wireless remote connectivity solution via Bluetooth® connection simply by attaching the adapter to the IR port of an Agilent handheld digital multimeter. The wireless remote connectivity is set up when an Agilent handheld digital multimeter is connected to U1177A and an Android device (tablet or smart phone) with the installed software. Every U1177A also has a unique Media Access Control (MAC) address. User can quickly and easily scan for the right U1177A using their Android device and pair up with the U1177A.

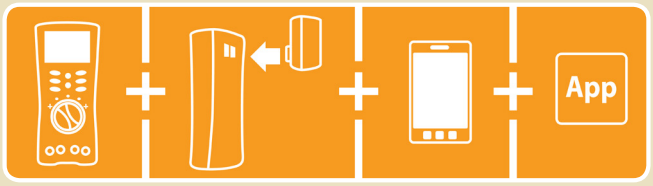

Figure 1. Agilent wireless remote connectivity solution

Anticipate ___Accelerate ___Achieve

Agilent Technologies

Take a closer look

Figure 2. The U1177A as illustrated

Perform data logging with multimeters – wirelessly!

Figure 3. Data logging with Agilent Mobile Logger software.

Data logging is an important function for industrial users to capture data streams or plotting trending graphs. These data and graphs are used for analysis to identify intermittent behavior or detect drifts. Agilent Mobile Logger is the free Android application software that logs data and provides trending graphs from Agilent handheld digital multimeters. Agilent Mobile Logger offers an array of extended functions such as sending e-mail or Short Message Service (SMS) automatically, and pan and zoom function via the Android device's touch screen. Alternatively, data logging and monitoring activities can also be performed at the comfort of one's Personal Computer (PC) via a downloadable Agilent GUI data logger software.

Notes:

1. *Agilent Mobile Meter and Agilent Mobile Logger can be downloaded from www.agilent.com/find/hh-Android or from Android Market (https://market.android.com/)*
2. *Agilent GUI Data Logger Software can be www.agilent.com/find/hh-logger*

Perform up to three multimeter measurements at the same time with Agilent Mobile Meter

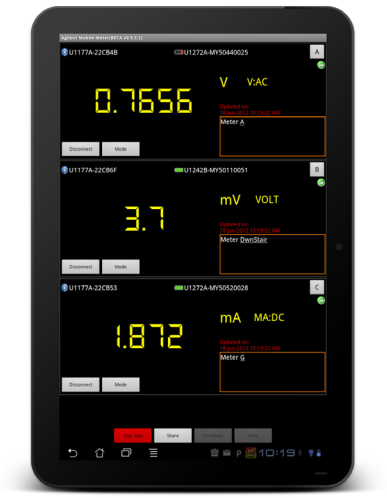

Figure 4. Up to three multimeters measurements with the Agilent Mobile Meter

Agilent Mobile Meter is a free Android application software that allows an Android device to connect, control and perform up to 3 multimeter measurements. Without the need to be physically present at various points, users can now extend their reach to two or three places. This solution allows you to make measurements from a safe distance, eliminates the need to walk back-and-forth between measure target and control points, and monitors multiple measurements simultaneously. Achieve higher work productivity when you use the U1177A with your Agilent handheld digital multimeters.

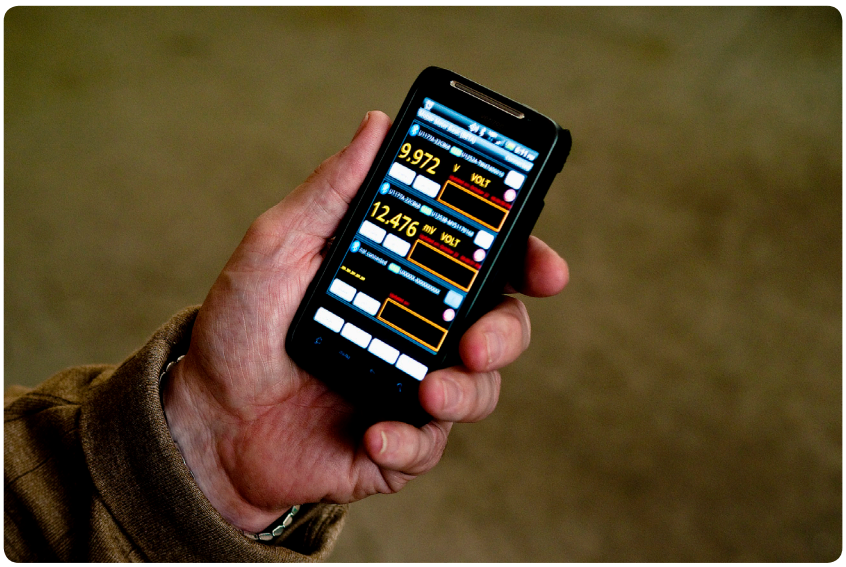

Figure 5. Make measurements with the Agilent Mobile Meter via an Android smart phone

Specifications

Product characteristics	Description
Radio specification	• Frequency: 2402 MHz ~ 2480 MHz • Antenna Power: 1 mW or less • Number of Channels: 79 • Modulation: GFSK / PSK
Operating environment	Operating temperature from –20 to 55 °C
Storage environment	Storage temperature from –40 to 70 °C
Relative humidity (R.H.)	Relative humidity up to 95% at 40 °C (non-condensing)
Power consumption	Maximum 130 mVA for two 1.5 V AAA batteries
Battery life	30 hours typical (based on continuous data transfer)
Battery type	Alkaline 24 A (ANSI/NEDA) and LR03 (IEC), or Zinc Chloride 24 D (ANSI/NEDA) and R03 (IEC)
Dimension (W x H x L)	39.0 × 71.0 × 37.0 mm
Weight	60 g with batteries
Warranty	Three months
Bluetooth	"**Bluetooth**" Version 2.1 + EDR compliant, SPP profile, Class 2 device (with 10 metres connection range)
Safety	The U1177A complies with the requirements of the following safety and regulation standards: • FCC Part15C (Certification) (15.209, 15.247) FCC ID: ZKMAGILENT-U1177A • FCC Part15B (DoC) (15.109) • RSS–210 Issue 8:2010 IC: 6310A–U1177A • ICES–003 Issue 4:2004 • EN 300 328 V1.7.1:2008 • EN 301 489–1V1.8.1:2008/–17 V2.11:2009 • EN 55022:2006+A1:2007/EN55024:1998+A1:2001+A2:2003 • EN 50371:2002 • EN 60950–1:2006/A11:2009/A1:2010 • Complies with IDA Standards (DB 102425) • India Equipment Type Approval (ETA) Certificate No: 1424/2011/WRLO • COFETEL Certificate No: RCPAGU111-1066, registered under Agilent Technologies Mexico S de RL de CV "This telecommunication equipment conforms NTC technical requirement"

Standard shipped items:

- Two 1.5 V AAA batteries
- Operating instructions

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