

# FLUKE®



Electrical and electro-mechanical equipment is designed to function—not designed to provide a comfortable, convenient work space for the electricians and plant maintenance professionals who keep that equipment up and running. The systems and devices you test and maintain can be hard to see and reach, and put you dangerously close to lethal electrical and mechanical forces.

The solution—to place your digital multimeter where it's needed for testing, but view the test readings from where it's convenient and safe—was once impossible. But today you can work in two places at once, using the innovative Fluke 233 Digital Multimeter (DMM) with detachable wireless display. For details on the meter and its capabilities see side bar on back.

## Work in two places at once?

With the new Fluke detachable-display multimeter, it's easy!

### Work more productively

In today's challenging economy it's more crucial than ever to keep facilities running, producing and creating value. Unfortunately, personnel resources available for maintenance and testing may be limited by cutbacks, making a challenging job even harder.

The Fluke 233 can enable one person to complete a test that would have required two people using ordinary test tools. For instance, consider the dilemma when the test access point is distant from a switch point that controls the test circuit. Such a situation used to require one technician to read the meter while another person operated the switch.

With the Fluke 233, you can set up the meter where it needs to be, then detach the wireless display and take the display to the control point and read the test results, even if the control point is outside the test enclosure or in another room. The detachable display is magnetic and has a flat bottom, making it easy to place in plain sight.

### Increase safety

The meter's detachable display can also provide important safety benefits. First, it enables you to run tests and read results at a safe distance from shock and arc flash hazards, moving machinery and other dangers. Just attach the meter to the test circuit where required, then take the detachable display to a safe location before energizing the circuit or equipment.

Some test locations can be hard to reach with DMM probes or clamps. With two test leads to manipulate and a meter to read, you can quickly run short of hands. When working close to energized circuits, the result can be very dangerous. The detachable display of the Fluke 233





can make it possible to physically separate the tasks of positioning your meter and reading test results, so you can devote full attention to each task—and reduce the hazards.

Even when hazards aren't present, comfort and convenience are important. Even when the test location is hard to reach or in a dirty or noisy environment, the Fluke 233 enables you to set up your meter, then move to a comfortable position to view and record test data.

### Complete tests in “impossible” situations

Some test situations make testing with an ordinary DMM impossible. But the Fluke 233 can literally “see through” the barriers that caused problems in the past. For instance, the Fluke 233's wireless display makes it possible to see test results even when the meter and test location are hidden behind an equipment enclosure. You can see test readings when the test point is across the room—or in the next room. And you can take readings in areas where you can't be close to the active measurement point, like clean rooms.

Bottom line? By giving you more control in difficult test situations, the Fluke 233 remote display multimeter expands your capabilities and helps you work more productively, conveniently and safely. It's the new tool in your toolbox.

### Detachable wireless display is an industry first

- The industry's first digital multimeter with a detachable wireless display, Fluke 233 uses a wireless transmitter to flawlessly send measurements to the detached display. This unique feature can improve safety and increase productivity for today's busy industrial and commercial electricians and electronic technicians.
- By sliding the wireless display out of the meter body, the user can place the display where it is most easily seen—up to 10 meters (33 feet) from the point of measurement—while putting the meter where it needs to be to contact circuits and take measurements.
- The low-power, 2.4 GHz ISM Band wireless signal resists electromagnetic interference. The radio transmitter automatically turns on when the display is removed from the meter and off when the display is reattached.
- The removable display is magnetic and has a flat bottom, so it can be conveniently mounted or placed on a flat surface where it can easily be seen. When the display is attached, the Fluke 233 operates as a conventional multimeter.
- The Fluke 233 will measure up to 1000 V ac and dc and up to 10 A. It features a 10,000 µF capacitance range, measures frequencies to 50 kHz and captures min/max and average readings automatically. It features a 6,000-count display and includes a built-in thermometer. The meter body is powered by three AA batteries; the display has two AA batteries. Average battery life is 400 hours. An auto-off feature maximizes battery life.
- The Fluke 233 is safety rated for use in CAT IV 600 V, CAT III 1000 V working environments.



**Fluke.** *Keeping your world up and running.*®

**Fluke Corporation**  
PO Box 9090, Everett, WA 98206 U.S.A.  
**Fluke Europe B.V.**  
PO Box 1186, 5602 BD  
Eindhoven, The Netherlands

**For more information call:**  
In the U.S.A. (800) 443-5853 or  
Fax (425) 446-5116  
In Europe/M-East/Africa +31 (0) 40 2675 200 or  
Fax +31 (0) 40 2675 222  
In Canada (800)-36-FLUKE or  
Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or  
Fax +1 (425) 446-5116  
Web access: <http://www.fluke.com>

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Printed in U.S.A. 9/2009 3535537A P-EN-N