

## 8808A Digital Multimeter



***Versatile multimeter for manufacturing, development and service applications***

### **Eliminate production mistakes**

The Fluke 8808A 5.5 digit multimeter dependably performs the most common measurements required by today's applications. Whether you are performing functional tests or making critical measurements on test points, using the limit compare mode with pass/fail indicators eliminates production mistakes, especially those where results are "on the edge." The 8808A display has built-in enunciators that clearly show the operator whether a test passes or fails. The pass/fail indicators take the guesswork out of testing: the result is either within limits or it's out!

### **Improve quality and efficiency in manufacturing test, R&D or service applications**

Manufacturing test, R&D, development and service applications demand performance and flexibility from a bench meter. This Fluke 8808A makes measurements that stand up to any scrutiny. It delivers a wide variety of measurement functions, including volts, ohms, and amps, plus frequency—all at superior accuracy and resolution.

### **Measure two parameters at once**

The 8808A features a unique dual display that allows you to measure two different parameters of the same signal from one test connection. Looking at dual interrelated parameters like voltage and current simultaneously can reveal conditions that might go unnoticed otherwise, greatly simplifying test and troubleshooting.

### **Measure sensitive leakage current**

Typical multimeters use a shunt method to measure current, creating a measurement burden voltage that increases the error in low current measurements. This makes it difficult, if not impossible, to perform tasks such as determining the true leakage current on a battery-powered device while it is powered down, or measuring small currents in sensitive circuits. The Fluke

8808A is the only multimeter in its class to use a low-impedance operational amplifier and current-to-voltage conversion technique to eliminate the burden voltage and measure sensitive low currents. In this special mode, the 8808A can accurately measure small currents with a resolution of up to 100 nA.

**Perform 4-wire measurements with only two leads**

Patented split terminal jacks for the 2x4-wire ohms function allow you to perform 4-wire measurements using only two leads instead of four. Today's surface mount components make it difficult to make connections. The task becomes even more difficult when you need to use a 4-wire technique for accurate low ohms measurements. The Fluke test lead accessory combines the four wires into two test lead pairs, making it easy for you to establish connections. You get excellent resolution and accuracy, plus the convenience and ease of using a single pair of leads.

**FlukeView® Forms Basic**

FlukeView Forms increases the power of your Fluke tool by enabling you to document, store and analyze individual readings or series of measurements, then convert them into professional looking documents. Transfer data points from your meter to your PC and use the standard, non-customizable forms to display your readings in table or graphical form. For a larger array of forms or to use FlukeView® Forms Designer customize your forms, upgrade to FlukeView® Forms 3.0 with FVF-UG.

**Fluke quality is built in**

Fluke is known around the world for its rugged, reliable, and accurate multimeters. With our experience, design standards and quality assurance processes, we have designed a multimeter that will stand up to any scrutiny of its specifications. In fact, a Fluke meter typically performs better than specified. All of our efforts are designed to ensure that you can make an accurate measurement— repeatedly, and with confidence.

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| Technical Specifications |   |
|--------------------------|---|
| Display                  | VFD multi segment display, dual readings  |
| Resolution               | 5.5 digits  |
| V dc                     | <b>Ranges:</b> 200 mV to 1000 V<br><b>Max. resolution:</b> 1 $\mu$ V<br><b>Accuracy:</b> 0.015 + 0.003  |
| V ac                     | <b>Ranges:</b> 200 mV to 750 V<br><b>Max resolution:</b> 1 $\mu$ V<br><b>Accuracy:</b> 0.2 + 0.05<br><b>Frequency:</b> 20 Hz to 100 KHz       |
| Resistance               | <b>2x4 Wire:</b> Yes<br><b>Ranges:</b> 200 $\Omega$ to 100 M $\Omega$<br><b>Max resolution:</b> 1 m $\Omega$<br><b>Accuracy:</b> 0.02 + 0.003 |
| A dc                     | <b>Ranges:</b> 200 $\mu$ A to 10 A<br><b>Max resolution:</b> 1 nA<br><b>Accuracy:</b> 0.02 + 0.005  |
| A ac                     | <b>Ranges:</b> 20 mA to 10 A<br><b>Max resolution:</b> 100 $\mu$ A<br><b>Accuracy:</b> 0.3 + 0.06<br><b>Frequency:</b> 20 Hz to 2 kHz         |
| Frequency                | <b>Ranges:</b> 20 Hz to 1 MHz<br><b>Max resolution:</b> 0.1 mHz<br><b>Accuracy:</b> 0.01 %  |
| Math Functions           | dB/dBm: Yes   |
| Advanced Functions       | Limit compare test, with pass and fail indicators   |
| Interfaces               | RS-232, USB with optional adapter   |
|                          |   |

|                                    |   |
|------------------------------------|---|
| <b>Programming Languages/Modes</b> | Simplified ASCII, Fluke 45 remote command emulation |
|------------------------------------|---|

| <b>General Specifications</b> |  |
|-------------------------------|--|
| <b>Weight</b>                 | 2.1 kg (4.6 lbs)   |
| <b>Size (HxWxD)</b>           | 88 mm x 217 mm x 297 mm (3.46 in x 8.56 in x 11.7 in)  |
| <b>Safety</b>                 | Designed to comply with EN 61010-1:2001, ANSI/ISA 61010-1 (S82.02.01):2004, UL 61010-1:2004, AN/CSA C22.2 No. 61010.1:2004 |
| <b>Warranty</b>               | One year   |

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