

# FLUKE 8808A 數位萬用錶



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

技術規格	
顯示	變頻多段顯示，雙讀數
決議	5.5 數字
直流電壓	範圍： 200 mV 至 1000 V 最大。決議： 1 紫外 精度： 0.015 + 0.003
V 交流	範圍： 200 mV 至 750 V 最大分辨率： 1 紫外 精度： 0.2 + 0.05 頻率： 20 Hz 至 100 kHz
電阻	2x4 四線： 是 範圍： 200Ω 至 100MΩ 最大分辨率： 1 毫歐 精度： 0.02 + 0.003
阿直流	範圍： 200μA 至 10 甲 最大分辨率： 1 不適用 精度： 0.02 + 0.005
A 交流	範圍： 20 毫安至 10 A 最大分辨率： 100 微安 精度： 0.3 + 0.06 頻率： 20 赫茲到 2 kHz
頻率	範圍： 20 Hz 至 1 MHz 最大分辨率： 0.1 mHz 的 精度： 0.01%
數學函數	分貝/ dBm 的： 是
高級功能	極限比較試驗，以通過和失敗的指標
接口	RS - 232 接口，可選的 USB 適配器
編程語言/模式	簡化 ASCII 碼，福祿克 45 遠程命令仿真

一般規格	
重量	2.1 公斤 (4.6 磅)
尺寸 (HxWxD)	88 毫米 x 217 毫米 x 297 毫米 (3.46 英寸 x 8.56 英寸 x 11.7 英寸)
安全	設計符合 EN 61010-1:2001, ANSI 和的 ISA 61010-1 (S82.02.01) : 2004, UL 認證 61010-1:2004, 安/CSA 認證 C22.2 編號 61010.1:2004
保修	一年

型號名稱	描述
福祿克 8808A	5.5 位數字多用表, 0.01% 包括: <ul style="list-style-type: none"> <li>• 米</li> <li>• TL71 測試線</li> <li>• 電源線</li> <li>• 聲明加州的做法</li> <li>• WEEE 指令信息表</li> <li>• 保修聲明</li> <li>• 入門指南 (英語, 法語, 德語, 西班牙語, 意大利語, 簡體中文, 日語)</li> <li>• 光盤與用戶手冊 (英文)</li> </ul>
福祿克 8808A/SU	5.5 位數字多用表, 0.01%, 西南的USB電纜套件 包括 8808A包加: <ul style="list-style-type: none"> <li>• FlukeView 形式基本軟件</li> <li>• USB 到 RS - 232 接口適配器電纜</li> </ul>
福祿克 8808A/TL	5.5 位數字多用表, 0.01%, 2X4W測試線 包括 8808A包加: <ul style="list-style-type: none"> <li>• 2x4W 測試線</li> </ul> 該產品只在歐洲銷售

測試線，探頭和線夾	
 TL2X4W - TWZ	2X4 線歐姆鑷子測試線
TL2x4W - PTII	2X4 線歐姆測試線
884X短	4 線短
TL910	電子測試探頭
電纜及五金	
884X -的USB	USB 轉 RS232 電纜適配器

機架底座五金	
Y8846D	機架安裝套件，雙
Y8846S	機架安裝套件，單

軟件	
<a href="#">撓性振動板，UG的</a>	FlukeView 表格 8846 分之 8845 軟件升級（無電纜）

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# Making measurements is as simple as pushing a button

**The Fluke 8808A 5.5 digit multimeter** has a broad range of functions, measuring volts, ohms and amps with a basic V dc accuracy of 0.01 %. It is remarkably easy to use, even by unskilled operators, because it makes the measurements you perform most often extremely easy and fast to do.

Six setup buttons on the 8808A front panel operate like a car radio's station presets. Simply set up the meter for a common measurement, then press shift followed by a setup button (S1 to S6) to save the setup. Now each time you perform that measurement, you simply press the appropriate setup key. It's that easy!

The setup buttons eliminate the need to follow complex work instruction sheets. Operators no longer need to press multiple buttons to set up a measurement function and range, test limits, or enter other parameters to make a measurement.

## 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!

## 8808A features at a glance

- 5.5 digit resolution
- Basic V dc accuracy of 0.01 %
- Dual display
- Dedicated dc leakage current measurement
- 2x4 ohms 4-wire measurement technique
- Six dedicated buttons for fast access to instrument setups
- Hi/Lo limit compare for Pass/Fail testing

The 8808A can measure small leakage currents with a resolution of up to 100 nA, without loading the circuit under test.



Set up six common measurements via the front panel buttons, then simply press the appropriate key to perform each one.



The limit compare mode with pass/fail indicators can help you eliminate production mistakes.



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**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.

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You can depend on 8808A measurements for critical applications in manufacturing test. But it is also a versatile tool for R&D and design engineers.



# Summary Specifications

**FLUKE**®

	8808A	8845A	8846A
Display	VFD multi segment display	VFD dot matrix	
Resolution	5.5 digits	6.5 digits	
<b>Measurement function</b>	<b>Accuracy, ± (% of reading + % of range)</b>		
V dc ranges	200 mV to 1000 V	100 mV to 1000 V	
Max. resolution	1 uV	100 nV	
Accuracy	0.015 + 0.003	0.0035 + 0.0005	0.0024 + 0.0005
<b>V ac</b>			
Ranges	200 mV to 750 V	100 mV to 750 V	100 mV to 1000 V
Max. resolution	1 uV	100 nV	
Accuracy	0.2 + 0.05	0.06 + 0.03	0.06 + 0.03
Frequency	20 Hz to 100 KHz	3 Hz to 300 KHz	
<b>Resistance</b>			
2x4 Wire	Yes	Yes	Yes
Ranges	200 Ω to 100 MΩ	100 Ω to 100 MΩ	10 Ω to 1 GΩ
Max. resolution	1 mΩ	100 μΩ	10 μΩ
Accuracy	0.02 + 0.003	0.010 + 0.001	0.010 + 0.001
<b>A dc</b>			
Ranges	200 μA to 10 A	100 μA to 10 A	100 μA to 10 A
Max. resolution	1 nA	100 pA	100 pA
Accuracy	0.02 + 0.005	0.050 + 0.005	0.050 + 0.005
<b>A ac</b>			
Ranges	20 mA to 10 A	10 mA to 10 A	100 μA to 10 A
Max. resolution	100 uA	10 μA	100 pA
Accuracy	0.3 + 0.06	0.10 + 0.04	0.10 + 0.04
Frequency	20 Hz to 2 kHz	3 Hz to 10 kHz	3 Hz to 10 kHz
<b>Freq/Period</b>			
Ranges	20 Hz to 1 MHz (freq only)	3 Hz to 300 kHz	3 Hz to 1 MHz
Max. Resolution	0.1 mHz	1 μHz	1 μHz
Accuracy	0.01 %	0.01 %	0.01 %
<b>Continuity/Diode Test</b>	Yes		
<b>Capacitance</b>			
Ranges	—	—	1 nF to 0.1 F
Max. Resolution	—	—	1 pf
Accuracy	—	—	1 %
<b>Temperature</b>			
Type	—	—	Platinum RTD
Range	—	—	-200 °C to +600 °C
Max. resolution	—	—	0.01 °
Accuracy	—	—	0.06 °
<b>Math functions</b>			
Types	—	Zero, Min/Max/Average, Std Dev; mx+b	
dB/dBm	Yes	Yes	
<b>Advanced functions</b>			
Statistics/Histogram	No	Yes	
Trendplot	No	Yes	
Limit Test	Yes	Yes	
<b>Input output</b>			
USB memory	—	—	USB memory drive port
Real time clock	No	No	Yes
Interfaces	RS-232, USB with optional adapter	RS 232, IEE-488.2, Ethernet, USB with optional adaptor	
Programming Languages/Modes	Simplified ASCII, Fluke 45	SCPI (IEEE-488.2), Agilent 34401A, Fluke 45	
<b>General</b>			
Weight	2.1 kg (4.6 lbs)	3.6 kg (8.0 lbs)	
Size (HxWxD)	88 mm x 217 mm x 297 mm (3.46 in x 8.56 in x 11.7 in)		
Safety	Designed to comply with EN 61010-1:2001, ANSI/ISA 61010-1 (S82.02.01):2004, UL 61010-1:2004, CAN/CSA C22.2 No. 61010.1:2004	Designed to comply with IEC 61010-1 2000-1, ANSI/ISA-S82.01-1994, CAN/CSA-C22.2 No. 1010.1-92 CAT I 1000 V, CAT II 600 V	
Warranty	One year		

## Ordering Information

### Models

**8845A** 6.5 digit precision multimeter, 35 ppm

**8846A** 6.5 digit precision multimeter, 24 ppm USB mem

**8808A** 5.5 digit multimeter, .01 %

### Options and accessories

#### 8808A/8845A/8846A

**TL910** Precision Electronic Probe Set

**884X-SHORT** 4-Wire Short

**TL2X4W-PT II** 2x4 Wire Ohms Test Lead 2 mm Probe Tip

**884X-USB** USB to RS232 cable adapter

**FVF-UG** FlukeView Forms Software Upgrade— No Cable

**Y8846S** Rack Mount Kit, Single

**Y8846D** Rack Mount Kit, Dual

#### 8845A/8846A

**884X-RTD** 100 Ohm RTD Temperature Probe

**884X-512M** USB Memory 512 M

**884X-1G** USB Memory 1 GB

**Y8022** IEEE488 cable (2 m)

Fluke supports you by supplying information about Fluke tools and how to use them. Visit the Fluke web site at [www.fluke.com](http://www.fluke.com) for product descriptions, application notes and white papers. You will also find newsletters, online communities, downloadable manuals, and much more.

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

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