

# Fluke 39 Power Meter and 41B Power Harmonics Analyzer

[Product Home](#) | [Features](#) | [Specifications](#) |  
[Models, Options & Accessories](#) | [Manuals](#)



The Fluke 39 Power Meter and Fluke 41B Harmonics Analyzer combine the ease of use of a digital multimeter, the visual feedback of an oscilloscope and the power of a harmonics analyzer in a single instrument. If you're testing power on three-phase systems or trouble-shooting harmonics on non-linear loads, no test tool makes it easier.

The Model 41B is ideal for further analyzing data and optimizing system performance. Use the Fluke 41B's FlukeView<sup>®</sup> software (included) to download acquired data to a printer or an MS-DOS<sup>®</sup> or Windows<sup>®</sup> compatible computer for analysis and presentation.

© 1995 - 2000 Fluke Corporation

[Privacy Statement](#)

# Fluke 39 and 41B Power Meters Specifications

[Product Home](#) | [Features](#) | [Specifications](#) | [Models, Options & Accessories](#) | [Manuals](#)

- [Measurement Accuracy](#)
- [General Specifications](#)

## Measurement Accuracy

Voltage	Range and Resolution: 5.0V to 600V rms (AC+DC); ±5.0V to ±933V peak Accuracy: rms: ±(0.5% + 2 digits); Peak or DC: ±(2% + 3 digits) (Add 2 digits if < 15V rms)
Current (1mV/A) Isolated input	Range and Resolution: 1.00A to 1000A rms (AC+DC); ±1.0A to ±2000A peak Accuracy: rms: ±(0.5% + 3 digits)+probe specs; Peak or DC: ±(2% + 4 digits) + probe specs
Watts/Volt-Amps (1mV/A) isolated input	Range and Resolution: 0.0W(VA) to 600kW(kVA) average; 0.0W(VA) to ±2000kW(kVA) peak Accuracy: AC+DC: ±(1% + 4 digits) + probe specs
Harmonics (harmonic level >5% using Smooth 20)	Volts: Fundamental to 13th ±(2%+2 digits); At 31st ±(8%+2 digits); Amps or Watts: Fundamental to 13th ±(3% + 3 digits) + probe specs; At 31st ±(8% + 3 digits) + probe specs
Frequency	Range & Resolution: 6.0 Hz to 99.9 Hz Accuracy: ±0.3 Hz
Input Bandwidth	DC, 6 Hz to 2.1 kHz
Crest Factor (CF)	Range & Resolution: 1.00 to 5.00 Accuracy :±4%
Power Factor (PF)	Range & Resolution: 0.00 to 1.00 Accuracy: ±0.02
Displacement Power Factor (DPF)	Range & Resolution: 0.00 to 1.00 Accuracy: ±0.04 to ±0.03 (0.30 to 0.89) ±0.02 (0.90 to 1.00)
Phase	Range & Resolution: -179° to 180° Accuracy (Fundamental): ±2° + probe specs

K-Factor (KF)	Range & Resolution: 1.0 to 30.00 Accuracy: $\pm 10\%$
% THD-F	Range & Resolution: 0.00% to 799.9% Accuracy: $\pm (0.03 \text{ Reading} + 2.0\%)$
% THD-R	Range & Resolution: 0.0% to 99.9% Accuracy: $\pm (0.03 \text{ Reading} + 2.0\%)$

## General Specifications

Minimum Input Levels	5V rms or 1A rms
Battery Life	4 alkaline "C" cells ANSI/NEDA-14A, IEC-LR14 (supplied) 48 hours typical (continuous)
Shock & Vibration	Per MIL-T-28800, Class 3
Case	Drip-Proof and Dust-Proof per IEC, IP 52
Size	234 mm L x 100 mm W x 64 mm D (9.2" L x 3.9" W x 2.5" D)
Weight	0.9 kg (2.0 lb.)
Warranty	One Year Warranty

© 1995 - 2000 Fluke Corporation

[Privacy Statement](#)

# Fluke 39 and 41B Power Meters Models, Options & Accessories

[Product Home](#) | [Features](#) | [Specifications](#) | [Models, Options & Accessories](#) | [Manuals](#)

Model Name	Product Description
Fluke 41B *	Power Harmonics Analyzer
Fluke 39 *	Power Meter

\*Included Accessories:

Isolated RS-232 Cable, FlukeView® Software, Software Manual (included w/41B only)  
80i-500s AC Current Probe  
TL24 Test Leads  
AC20 Test Clips  
TP20 Test Probes, Operator's manual

## Available Accessories and Options

Model Name	Accessory or Option Description
609096	Understanding and Managing Harmonics Video
800919	Power Quality Troubleshooting Video (NTSC)
800927	Power Quality Troubleshooting Video (PAL)
80i-1000s	1000A AC Current Probe
80i-110s	100A AC/DC Current Probe
<a href="#">AC70A</a>	Alligator Clips
<a href="#">AC85A</a>	Large Jaw Alligator Clips
<a href="#">i2000flex</a>	Flexible 2000A AC Current Probe
<a href="#">i200S</a>	AC Current Clamp
i3000s	3000A AC Current Probe
<a href="#">PAC91</a>	Printer Adapter Cable

<a href="#">TL23F</a>	Electrical Test Lead Set
<a href="#">TL23R</a>	Electrical Test Lead Set
<a href="#">TL71</a>	Premium DMM Test Lead Assembly
<a href="#">TL74</a>	4 mm Diameter Test Leads
<a href="#">TL80</a>	Basic Electronic Test Lead Set
<a href="#">TL81</a>	Deluxe Electronic Test Lead Set
<a href="#">TP1</a>	Slim Reach™ Test Probe
<a href="#">TP2</a>	Slim Reach™ Test Probe
<a href="#">TP4</a>	Slim Reach™ Test Probe

© 1995 - 2000 Fluke Corporation

[Privacy Statement](#)