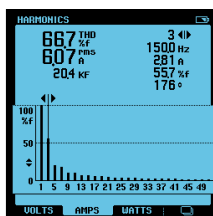


# 43B Power Quality Analyzer

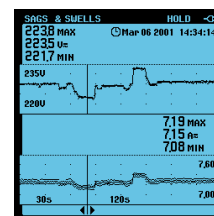
## Get control of power problems!



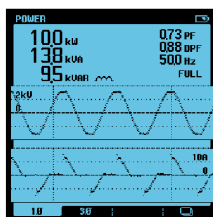
The Fluke 43B Power Quality Analyzer combines the most useful capabilities of a power quality analyzer, scope and multimeter in a single easy-to-use instrument. The user interface is selectable in English, German, French, Italian and Spanish.



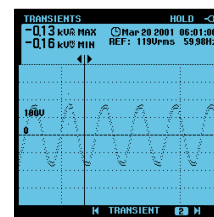
- Voltage, current, and power harmonics
- Up to 51st harmonic
- Total harmonic distortion (THD)
- Phase angle of individual harmonics



- Continuously measure volts and amps on a cycle-by-cycle basis for up to 16 days
- Use cursors to read time and date of sags and swells



- One and three phase power on balanced loads
- Watts, power factor, displacement power factor, VA and VAR
- Voltage and current waveforms



- Catch voltage transients and waveform distortion
- Catch and save up to 40 transients
- Correlate the cause of transient with time and date stamps



FlukeView Power Quality Analyzer software is included

### Accessories and Ordering Information

#### Included Accessories

Fluke 43B: Hard case, voltage and current probes, FlukeView PC software and cable, line voltage adapter/battery charger, applications manual, power quality video and user's manual.

#### Ordering Information

Fluke 43B Power Quality Analyzer

Pub\_ID: 10028-eng  
Rev. 03

## Specifications

Menu items	Measurements	Ranges	Accuracy
Volts/Amps/Hz	Volts Amps Mains frequency CF Crest Factor	5.000 V-1250 V 50.00A-50.00 kA 40.0 - 70.0 kHz 1.0 to 10.0	± (1%+10) ± (0.5%+2) ± (5%+1)
Power	Watts, VAR, VA PF, DPF, COS φ	250 W-1.56 GW 0.25-0.9 0.90-1.00	± (4%+4) ± 0.04 ± 0.03
Harmonics	Volts Amps Watts K-factor	1st to 51st harmonic 1st to 51st 1st to 51st 1.0 to 30.0	± (3%+2) to ± (15%+5) ± (3%+8) to ± (15%+8) ± (5%+2) to ± (30%+5) ± 10%
Sags & Swells	Voltage and Current	4 min-16 days selectable	± (2%+10)
Transient Capture	40 ns pulse width Up to 40 transients	Select 20/50/100/200% above or below line voltage	± 5% of full scale
Inrush Current	1sec. to 5 min selectable	1 A to 1000 A	± 5% of full scale
Ohms/Continuity/ Capacitance	Ohms Capacitance	500.0 Ω to 30.00 MΩ 50.00 nF to 500.0 μF	± (0.6%+5) ± (2%+10)
Temperature (with accessory)	°C °F	-100.0°C to 400.0°C -200.0°F to 800.0°F	± (0.5%+5)
Scope	Dc, ac, ac+dc, peak, peak-peak, Hz, duty cycle, phase, pulse width, crest factor	Sampling rate: Bandwidth: Voltage BW (Channel 1) Current BW (Channel 2)	25 MS/sec 20 MHz 15 kHz
Screen saves	All functions	20 screens	
Recording	V/A/Hz, Power, Harmonics, Ω/Cap, Temperature, Scope	4 min - 16 days selectable	Select any two parameters in each display mode

**Battery life:** Rechargeable Ni-Cd pack (charger included), 4 hrs typical (continuous)

**Shock & Vibration:** Mil 28800E, Type 3, Class III, Style B.

**Operating temperature:** 0°C to 50°C; **Case:** IP51 (dust, drip, waterproof)

**Size (HxWxD):** 232 mm x 115 mm x 50 mm **Weight:** 1.1 kg

**Safety:** EN 61010-1 CAT III, 600V. UL and CSA listed.

**Three years warranty**



*this product is available from:*



**Thurlby Thandar Instruments Ltd.**

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Cambs. PE29 7DR England

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Fax: 01480 450409

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web: [www.tti-test.com](http://www.tti-test.com)

*TTi is an official technical distributor for the Fluke Test Tools  
and Bench Instruments range in the UK.*

*We aim to keep many of the most popular products in stock for immediate delivery.*

*We can provide technically based advice on the use of these products and our sales engineers will  
be pleased to arrange a demonstration.*



**Measurably Better Value**