1735 Power Logger

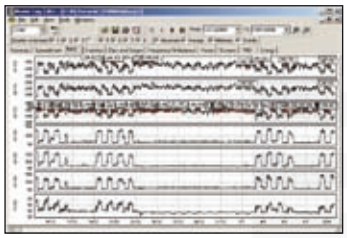
FLUKE®

Fluke 1735

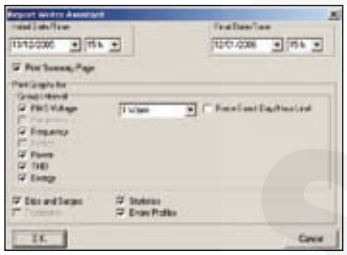
Performs electrical load studies, energy consumption testing, and general power quality logging

The Fluke 1735 Power Logger is the ideal tool for electricians and maintenance technicians for conducting energy studies and basic power quality logging. The 1735 is easy to set up with its color display and four included flexible current probes.
The 1735 logs most electrical power parameters, harmonics and captures voltage events. View graphs and generate reports with the included Fluke Power Log software.

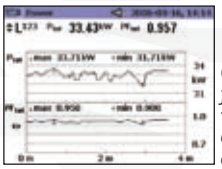
- Record power and associated parameters for up to 45 days
- Monitor maximum power demand over user-defined averaging periods
- Prove the benefit of efficiency improvements with energy consumption tests
- Measure harmonic distortion caused by electronic loads
- Improve reliability by capturing voltage dips and swells from load switching
- Confirm instrument setup easily with color display of waveforms and trends



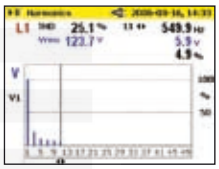
View recorded data in simple graphs and tables with Fluke Power Log software.



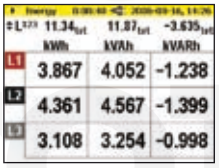
Customize the report generator to easily generate professional looking reports.



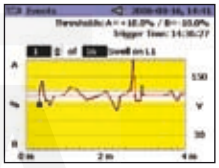
Conduct load studies for up to 45 days and view saved data on-screen or on a computer.



Access voltage and current harmonics up to the 50th.



Quantify energy consumption quickly on-screen or log to memory for extended periods.



Capture voltage events using user-defined thresholds.

600V CAT III

Specifications

(Check the Fluke web for detailed specifications)

Volts rms	V-rms wye measurement ranges: 57 V/66 V/110 V/120 V/127 V/220 V/230 V/240 V/260 V/277 V/347 V/380 V/ 400 V/417 V/480 V AC V-rms delta measurement ranges: 100 V/115 V/190 V/208 V/220 V/380 V/400 V/415 V/450 V/480 V/600 V/660 V/ 690 V/720 V/830 V AC
Amps rms	Flexi set measurement range: 15 A/150 A/3000 A rms (at sine) Current clamp measurement range: 1 A/10 A
Frequency	Measurement range: 46 Hz to 54 Hz and 56 Hz to 64 Hz
Harmonics and THD	To 50th harmonic (< 50 % of nom)
Power measurement (P - Active, S - Apparent, Q - Reactive, D - Distorting)	Measuring range: see V-rms and A-rms measurement ranges
Energy Measurement (kWh, KVAh, kVARh)	Measuring range: see V-rms and A-rms measurement rangeso
PF (Power factor)	0.000 to 1.000
Events	Detection of voltage dips, voltage swells and voltage interruptions with a 10 ms resolution and measuring error of the half period sine wave of rms.

General	
Memory	4 MB Flash memory, 3.5 MB for measuring data
Sample rate	10.24 kHz
Line frequency	50 Hz or 60 Hz, user-selectable, with automatic synchronization

Display: VGA Graphic Color transmissive displays 320 x 240 pixels with additional background lighting and adjustable contrast, text and graphics in color
Interface: RS-232 SUB-D socket; 115.2 k Baud, 8 data bits, no parity, 1 stop bit, firmware updates are possible with the RS-232 interface (9-pole extension cable)
Housing: IP65; EN60529 (refers only to the main housing without the battery compartment)

Power supply: NiMH battery-pack, with AC adapter (15 V to 20 V/0.8 A)
Battery Life: Typical > 16 hours without backlight and > 6 hours with backlight high
Operating temperature: 0°C to +40°C
Size (HxWxD): 240 mm x 180 mm x 110 mm
Weight: 1.7 kg, including battery
Two Year Warranty

Included Accessories

FS17XX 4-phase flexible current clamp set, VL1735/1745 voltage lead set, Power Log software, color localization set, PC interface cable, international ac adapter, BC1735 battery charger, soft carrying case, printed English manual and multi-language manual on CD.

Ordering Information

Fluke 1735 Power Logger

11117-eng Rev. 02