



Fluke 345 Power Quality Clamp Meter

This clamp on meter is a combination power analyzer, power quality logger, and clamp meter, and is ideal for monitoring electronic loads.

The Fluke 345 is more than an electric [power meter](#). Combining the functions of a clamp meter, oscilloscope, data logger and digital power meter into one handy device, the Fluke 345 is ideal for working with variable frequency motor drives, high efficiency lighting and other loads using switching electronics.

One of the leading wattage meters of the world, the multi-faceted Fluke 345 is packed with features such as a bright, color display to analyze the harmonic spectrum, a low-pass filter to remove high frequency noise and a high EMC immunity design, making the Fluke 345 [power analyzer](#) ideal for troubleshooting power quality on switching loads. The internal memory of this electric power meter enables long-term power quality logging for analysis of trends or intermittent problems. Additionally, the [Hall Effect](#) clamp meter design makes measurement of dc current possible without the need to break the circuit.

Besides effectively performing basic tasks like measuring wattage, the Fluke 345 power meters offer the ease of use, portability and flexibility needed to resolve most power issues in commercial, industrial and residential settings.

- **Setup and troubleshoot variable frequency drives and UPS systems** - Verify correct operation by measuring key power quality parameters
- **Harmonics measurements** - Uncover harmonic issues that can damage or disrupt critical equipment
- **Inrush capture** - Check start-up current where spurious resets or nuisance circuit breaker tripping occurs
- **Load studies** - Verify electrical system capacity before adding loads





- **AC/DC current:** Clamp-on measurement of ac current up to 1400 A rms and dc current up to 2000 A without breaking the circuit
- **Highest safety rating:** 600 V CAT IV power analyzer is rated for use at the service entrance
- **Accurate in noisy environments:** Clamp meter performs even with distorted waveforms present on electronic loads with low-pass filter
- **Data logging:** Identify intermittent faults by logging any power quality parameter for minutes, or over a month, including harmonics
- **Verify batteries:** Direct measurement of dc ripple (%) for battery and dc systems
- **Troubleshoot harmonics:** Analyze and log harmonics digitally or graphically
- **Inrush current:** Capture and analyze nuisance tripping, from 3 seconds to 300 seconds
- **Easy to use:** Easily confirm power meter setup with large backlit color display of waveforms and trends
- **3-Phase power:** Built in capability for balanced loads
- **View graphs and generate reports:** Use power analyzer with included Power Log software

Display	
	Color transmissive LCD 320 x 240 pixels (70 mm diagonal) with 2 level backlight
Power supply	
	Battery type 1.5 V Alkaline AA MN 1500 or IEC LR6 x 6
Battery life typically	> 10 hours (backlight on full) > 12 hours (backlight reduced)
Battery Eliminator BE345	Input 110/230 V 50/60 Hz Output 15 V dc, 300 mA