

## Fluke 1777 - Three-Phase Power Quality Analyzer



**Applications:** Energy surveys and load testing, Harmonic surveys, Nuisance circuit breaker tripping, Power utility power quality surveys, Discovery of equipment failures caused by transients

Automatically measure power and power quality parameters

At-a-glance power quality health for faster troubleshooting

Easily view V/A/Hz, power, dips, swells, and harmonics data

Capture high-speed transients up to 8 kV

Power directly from measurement circuit without a line cord

Simple data downloads using USB memory stick, WiFi, LTE, wired Ethernet, or USB cable

2 auxiliary measurement inputs for measurements of non-electrical units: temperature, humidity, light intensity

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### Automatic measurements. More flexibility. Better power quality troubleshooting.

Fluke 1770 Series Three-Phase Power Quality Analyzers eliminate the complexities of power quality logging, troubleshooting, and analysis. Engineered to be the faster, easier way to perform power quality studies, the 1770 Series offers automatic measurements, a straightforward user interface and setup, best-in-class specifications, and a simplified reporting platform. The instrument can also be powered directly from the measurement circuit, eliminating the need to find a power outlet or use a lengthy extension cord.

With the 1770 Series you'll never miss a critical power quality event—from fast transients up to 8 kV, harmonics up to 30 kHz, dips and swells, as well as the voltage, current, and power measurements that enable you to characterize your electrical system.

### Automatic measurement capture

Whether you're performing a quick system check or a detailed power quality study, consistent data is key. The Fluke 1770 Series offers a unique automatic measurement capture system that helps ensure you're collecting the right data every time, while still giving you the flexibility to select and adjust specific parameters as needed. More than 500 power quality parameters are captured by default and the guided setup makes it easy to select the right parameters for the system you're working on. Logged data is instantly viewable, downloadable, and shareable with Fluke Energy Analyze Plus software so you never need to wait to finish a session before reviewing results or analyzing data.

### Ultimate measurement confidence

The Fluke 1770 Series are 2-in-1 devices that combine the troubleshooting functionality of a power quality meter with the robust analysis and logging capabilities of a standalone power quality analyzer in a single, easy-to-use, handheld device.

The 'PQ Meter' function gives you immediate access to live onscreen data in the field so you can quickly identify potential problems while troubleshooting. The detailed 'PQ Logging and Analysis' function eliminates the complexity of performing power quality studies by guiding you through the setup process ensuring you're capturing the right data every time. Couple these measurement modes with a unique measurement connection autocorrect function and you can be confident that you never need to worry about going back for a second measurement—even if you were unsure about what to look for when you Vstarted.