

NEW

## Fluke 1770 Series Power Quality Analyzers



Fluke 1777  
NEW



### The faster, easier way to perform power quality studies.

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.

- **True power quality tool:** Captures all the key measurements you need to determine power quality health automatically without additional setup, including key power quality parameters harmonics, dips, swells, unbalance, inrush etc.
- **AC/DC applications:** Measure AC up to 6000 A and DC up to 2000 A
- **High speed transients:** 20 MS/s (1777) & 1 MS/s sampling up to 8 kV to enable capture of high voltage, high speed transients that can cause physical damage to equipment.
- **Class A compliant:** Perform tests knowing you are fully compliant with stringent international IEC 6100-4-30 Class A standards
- **Power quality health summary:** Automatically evaluate power quality inputs against the EN 50160 electrical standard, providing detailed troubleshooting of problem areas
- **Real time data:** At-a-glance "Advanced Power Quality Health" summary screen with graphical representation, allows you to analyze real time data and zoomed views while all your recording needs are taken care of
- **Simple guided setup functionality:** Auto-detection of system type (WYE/Delta/Frequency 50–60 Hz/Nominal voltage) and auto-population of non-system-specific parameters
- **Ease of operation:** High resolution capacitive touch-screen and button user interface ensures that gloved operation is simple and easy providing clear results in seconds
- **Power system connection and instrument setup autocorrection:** Automatically detect and correct errors in voltage and current wiring, manual correction also available
- **Automatic parasitic power from measurement line:** Power internal battery with 120/240 V AC adapter or direct connection to measurement line (up to 600 V AC)
- **Customized views and reporting:** Create custom views to operate more efficiently and simply. Using Energy Analyze Plus software custom reporting templates can be created
- **Highest safety rating in the industry:** CAT III 1000 V / CAT IV 600 V rated for use at service entrance
- **Easy access to data:** with 8 GB of internal memory, expandable to 32 GB, continual powering of measurement circuits and advanced communication options such as WIFI and LTE communication, no event or data will be missed
- Two-year warranty

Fluke Premium Care plans are available for this product. Premium Care plans provide coverage above and beyond your tool's original product warranty. See pages 12 – 13.

### Ordering Information

- FPC1S-FPQ170-1** Fluke 1770 Series Standard 1 Year
- FPC3S-II900-1** Fluke 1770 Series Standard 3 Year
- FPC1G-FPQ170-1** Fluke 1770 Series Gold 1 Year
- FPC3G-FPQ170-1** Fluke 1770 Series Gold 3 Year
- FLUKE-1775/FPC** Fluke 1770 Series with Standard 1 Year Bundle



Captures all the key measurements you need to determine power quality health.



Log up to 10 sessions of 8 weeks with 1-minute intervals and 100 events.

	1773	1775	1777
<b>Applications</b>			
Harmonic surveys	•	•	•
Basic power and power quality studies	•	•	•
Energy surveys and load testing	•	•	•
Nuisance circuit breaker tripping		•	•
Advanced power and power quality studies		•	•
Discovery of equipment failures caused by transients		•	•
Utility power quality surveys		•	•
Diagnose electronic equipment damage with capture of high speed, high magnitude (8 kV) voltage transients			•
<b>Features</b>			
Event capture with table	•	•	•
Event capture and transient with waveforms		•	•
High speed transient capture with waveshape analysis in FEA+ application software		1 MHz	20 MHz



Fluke 1777 Power Quality Analyzer kit with included iFlex™ and Alligator clips.