

Fluke 1760 Power Quality Recorder *Topas*

Class-A compliance for the most demanding power quality tests



The Fluke 1760 Three-Phase Power Quality Recorder is the ideal portable instrument for power quality experts. It is fully compliant to IEC 61000-4-30 Class-A, for advanced power quality analysis and consistent compliance testing. Designed for analysis of utility and industrial power distribution systems, in medium- and low-voltage networks, the Fluke 1760 provides the flexibility to customize thresholds, algorithms, and measurement selections. It captures the most comprehensive details on user-selected parameters and allows for later analysis and reporting.

- **Fully Class-A compliant:** Conduct tests according to the stringent international IEC 61000-4-30 Class-A standard
- **GPS time synchronization:** Correlate data with events or datasets from other instruments, with precision
- **Flexible and fully configurable thresholds and scale factors:** Allows user to pinpoint specific issues by defining the detailed criteria for detection and recording of disturbances.
- **Highest safety rating in the industry:** 600 V CAT IV/1000 V CAT III rated for use at the service entrance
- **Uninterrupted power supply (40 minutes):** Never miss important events—even record the beginning and end of interruptions and outages, to help determine the cause
- **10 MHz, 6000 Vpk waveform capture:** Get a detailed picture of even the shortest event
- **2 GB data memory:** Enables detailed, simultaneous recording of numerous power parameters for long periods of time
- **Comprehensive software included:** Provides trend diagrams for root cause analysis, statistical summaries, report writing, and real-time data monitoring in the online mode
- **Plug and play:** Allows quick setup with automatic sensor detection; sensors are instrument powered, eliminating the need for batteries
- **Rugged field design:** Insulated housing and a solid state design with no rotating components, enable reliable testing under nearly any conditions

For more information and detailed specifications, go to www.fluke.com/pq

Fluke 1650 RPM Power Recorder

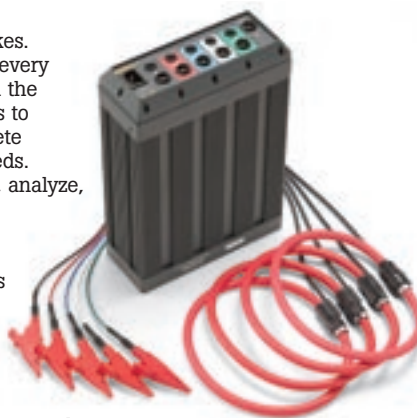
Power recorder

Fewer connections, shorter set up, less mistakes. Patented Full-Disclosure technology captures every measurement, every event, on every cycle, all the time—without thresholds. From simple set-ups to finished reports, the Fluke 1650 is the complete solution to your portable power recording needs. The Power Recorder is all you need to record, analyze, and document:

- Loading and load interaction
- Power consumption and demand
- Sags, swells, harmonics or transient events
- Ground currents
- Phase relationships, including phase imbalance

Multipoint

For permanent installations, select Multipoint to get the same performance as the portable Power Recorder—simultaneously measuring all power quality parameters, as well as power consumption and harmonics.



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Application note, literature code 2555030:

What does Class A mean to me?

The new IEC 61000-4-30 Class A standard takes the guesswork out of selecting a power quality instrument.

The standard IEC 61000-4-30 Class A defines the measurement methods for each power quality parameter to obtain reliable, repeatable and comparable results.

It also defines the accuracy, bandwidth, and minimum set of parameters. Going forward, manufacturers can begin designing to Class A standards, giving technicians a level playing field to choose from and increasing their measurement accuracy, reliability, and efficiency on the job.



Included accessories

Fluke 1760 Recorder: Voltage probes (4), current probes (4), ethernet cable for network connection (1), crosslink ethernet cable for direct PC connection (1), mains cable (1), GPS time sync receiver, PC software on CD-ROM, operators manuals and carrying case.

Fluke 1650 Recorder: Five flexible current probes (four 1000 A and one 100 A), PAS software with report writer, ethernet cable and manual.

Ordering information

- Fluke-1760 Without fast transient, voltage or current option
- Fluke-1760TR With fast transient option
- 1695-Flexi Pack Power Recorder

These power quality recorders are sold exclusively through power quality representatives. To request a demonstration, or to order, call 1-888-257-9897 or email questions to fpqsupport@fluke.com.

Many configurations and accessories are available for these recorders, go to www.fluke.com/pq for more information.

