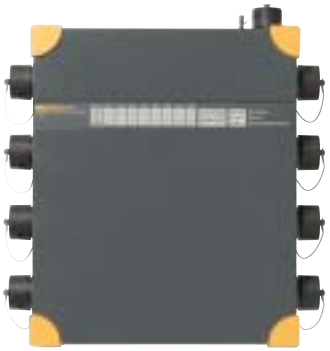
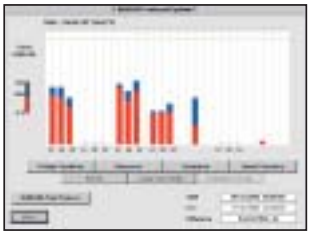
1760 Three-Phase Power Quality Recorder *Topas*

FLUKE®



Fluke 1760



The included PQ Analyze software provides a detailed overview of several power quality parameters on one dashboard according to the EN50160 power quality standard.

Class-A compliance for the most demanding power quality tests

The Fluke 1760 Three-Phase Power Quality Recorder 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 has 8 input channels (4 currents/4 voltages or 8 voltages), and captures the most comprehensive details on user selectable parameters.

- **GPS time synchronization:** Correlate data with events or datasets from other instruments with precision
- **Uninterrupted power supply (40 minutes):** Never miss important events – even record the beginning and end of interruptions and outages
- **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
- **Includes Comprehensive software:** Provides trend diagrams for root cause analysis, statistical summaries, report writing and real-time data monitoring in the online mode

Specifications

(Check the Fluke web for detailed specifications)

	1760 Basic	1760TR Basic	1760	1760TR
Power quality statistics according to EN50160	•	•	•	•
Voltage event list (dips, swells and interruptions)	•	•	•	•
Continuous recording of:				
Voltage	•	•	•	•
Current	•	•	•	•
Power P, Q, S	•	•	•	•
Power factor	•	•	•	•
kWh	•	•	•	•
Flicker	•	•	•	•
Unbalance	•	•	•	•
Frequency	•	•	•	•
Voltage and current harmonics to the 50th/ Interharmonics	•	•	•	•
THD	•	•	•	•
Mains signaling	•	•	•	•
Triggered recordings	•	•	•	•
Online mode (Oscilloscope, transients and events)	•	•	•	•
Fast transient analysis up to 10 MHz		•		•
4 voltage probes			•	•
4 dual-range flexible current probes (1000 A / 200 A ac)			•	•
GPS time sync receiver			•	•
Memory	2 GB Flash memory			

Power supply: : 83 V to 264 V, 45 to 65 Hz
Battery pack: NIMH, 7.2 V, 2.7 Ah (up to 40 minutes back-up power supply)
Safety: 600V CAT IV/1000V CAT III (Rated for use at the service entrance)
Housing: Fully insulated robust plastic housing

Operating temperature: 0 °C to 35°C
Interfaces: Ethernet (100 MB/s), RS-232, external modem via RS-232
Size (H x W x D): 325 mm x 300 mm x 65 mm
Weight: Approxiamtely 4.9 kg
Two Year Warranty

Included Accessories

2 GB internal Flash-memory, PC software on CD-ROM, 1 Ethernet cable for network connection, 1 crosslink Ethernet cable for direct PC connection, 1 mains cable, hardware and software manual, 1 carrying bag.

Ordering Information

Fluke 1760
Basic Power Quality Recorder *Topas*
Fluke 1760TR
Basic Power Quality Recorder *Topas*
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Fluke 1760TR Power Quality Recorder *Topas*

Recommended Accessories

Model	Description
• TPS VOLTPROBE 10 V	10 V Voltage Probes (Range: 0.1 V to 17 V)
• TPS VOLTPROBE 100 V	100 V Voltage Probes (Range: 1 V to 170 V)
• TPS VOLTPROBE 400 V	400 V Voltage Probes (Range: 4 V to 680 V)
• TPS VOLTPROBE 750 V	400 V / 750 V Peak Voltage Probes (Range: 4 V to 680 V)
• TPS VOLTPROBE 600 V	600 V Voltage Probes (Range: 10 V to 1000 V)
• TPS VOLTPROBE 1 KV	1000 V Voltage Probes (Range: 10 V to 1700 V)
• TPS FLEX 18	Flexible Current Probe (Range: 1 A to 100 A / 5 A to 500 A)
• TPS FLEX 24	Flexible Current Probe (Range: 2 A to 200 A / 10 A to 1000 A)
• TPS FLEX 36	Flexible Current Probe (Range: 30 A to 3000 A / 60 A to 6000 A)
• TPS CLAMP 10 A / 1 A	Clip-on Current Transformer (Range: 0.01 A to 1 A / 0.1 A to 10 A)
• TPS CLAMP 50 A / 5A	Clip-on Current Transformer (Range: 0.05 A to 5 A / 0.5 A to 50 A)
• TPS CLAMP 200 A / 20 A	Clip-on Current Transformer (Range: 0.2 A to 20 A / 2 A to 200 A)
• TPS SHUNT 20 MA	20 mA ac/dc Shunt (Range: 0 to 55 mA)
• TPS SHUNT 5 A	5 A ac/dc Shunt (Range: 0 to 10 A)