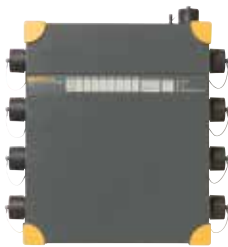


# 1760 Three-Phase Power Quality Recorder Topas

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.

## Included Accessories

4 x TPS Flex 24-TF-II flexible current probe, 4 x TPS VoltProbe 600V, 2 GB internal flash memory, ST1760 standard Ethernet cable, RS232 interface cable and RS232-USB adapter, CS1760 crossover Ethernet cable, 1 mains cable, PC software on CD-ROM, WC17xx color localization set, GPS-time sync (1760TR only) CS 1750/1760 carrying bag, hardware and software manual

Basic models: Excl. current clamps TPS Flex 24-TF-II

## Ordering Information

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

## 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

## Features

(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 (HxWxD):** 325 mm x 300 mm x 65 mm  
**Weight:** Approximately 4.9 kg  
**Two Year Warranty**

## Recommended Accessories

(Check the Fluke web for complete accessory list)

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 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-TF-II	Flexible Current Probe (Range: 1 A to 100 A / 5 A to 500 A)
• TPS FLEX 24-TF-II	Flexible Current Probe (Range: 2 A to 200 A / 10 A to 1000 A)
• TPS FLEX 36-TF-II	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 / 5 A	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)