


Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke 1773 Three-Phase Power Quality Analyzer

Current Bandwidth: DC to 30 kHz iFlex1500 Range: 1 A to 1500 A Data Storage 1773: 8 GB internal expandable microSD Power Supply From Circuit: 100 V to 600 V -10%/+10% From Fluke 1773/1775/1777 Product Specifications. Transient high-speed sampling rates differ on 1775/1777; the 1773 shares the series voltage/current/PQ measurement architecture listed above. Data Storage 1773: 8 GB internal expandable microSD Power Supply From Circuit: 100 V to 600 V -10%/+10% From Fluke 1773/1775/1777 Product Specifications. Transient high-speed sampling rates differ on 1775/1777; the 1773 shares the series voltage/current/PQ measurement architecture listed above.



MODEL

Fluke 1773

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1773

LISTING

<https://aumictechlabs.com/products/1773-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 1773 Three-Phase Electric Energy Logger can simplify energy studies, offering automatic measurements and a user-friendly interface. It accurately measures voltage, current, power, and power factor, enabling comprehensive energy analysis. With its enhanced logging capabilities, the 1773 helps identify energy waste and optimize electrical system performance, making it an essential tool for energy management.

1773 Characteristics / Specifications

PARAMETER	VALUE
Dimensions HxWxD	28.0 x 19.0 x 6.2 cm
Weight	2.1 kg (4.6 lb)
Display	7 in TFT 1024 × 600 capacitive touch
Measurement Category	1000 V CAT III / 600 V CAT IV
Maximum Input Voltage	1000 Vrms / 1000 V dc (1700 Vpk)
Nominal Voltage Range Wye	50 V to 1000 V
Nominal Voltage Range Delta	100 V to 1000 V
Input ImpedancePtoPandPto N	10 MOhm
PQ Bandwidth	DC to 30 kHz excluding transients
Sampling Frequency	80 kS/s at 50/60 Hz
Voltage Resolution	24-bit synchronous sampling
Voltage Transient Range Series	+/-8 kV
Current Inputs	4 (3 phases and neutral)
Current Bandwidth	DC to 30 kHz iFlex1500 Range: 1 A to 1500 A iFlex3000 Range: 3 A to 3000 A iFlex6000 Range: 6 A to 6000 A i40s EL Clamp Range: 40 mA to 40 A
Data Storage 17	8 GB internal expandable microSD
Harmonics	h0 to h50
Interharmonics	ih0 to ih50
Supraharmonics	2 to 30 kHz bins
Operating Temperature	-10 C to 50 C
Storage Temperature	-20 C to 60 C
On Battery Runtime	up to 1.25 hr
Calibration Cycle	2 years
Ingress Protection Caps On	IP50
Power Supply From Circuit	100 V to 600 V -10%/+10%

PARAMETER	VALUE
Bandwidth	DC to 30 kHz excluding transients

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 C to 60 C
Operating temperature	10 C to 50 C
Operating Temperature	10 C to 50 C
On Battery Runtime	up to 1.25 hr
Calibration Cycle	2 years
Ingress Protection Caps On	IP50
Power Supply From Circuit	100 V to 600 V -10%/+10% Notes From Fluke 1773/1775/1777 Product Specifications. Transient high-speed sampling rates differ on 1775/1777; the 1773 shares the series voltage/current/PQ measurement architecture listed above.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications list 1000 V CAT III / 600 V CAT IV inputs, wye nominal range 50 to 1000 V, 24-bit sampling at 80 kS/s, harmonics to the 50th, 8 GB internal storage, and dimensions 28.0 x 19.0 x 6.2 cm at 2.1 kg.	
Applications	
Energy and load studies, voltage dip/swell/interruption capture, harmonic and interharmonic surveys, and long-term PQ logging on industrial and utility three-phase systems.	
Key Features	
IEC 61000-4-30 ClassAfor U _{in} 100 to 690 V	
Automatic event capture with guided setup	
7 in capacitive touch display usable with PPE gloves	
Power from measurement line 100 to 600 V	
USB-C Ethernet WiFi/BLE options depending on region/version	
Technical Specifications	
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Measurement Category	1000 V CAT III / 600 V CAT IV
Maximum Input Voltage	1000 V _{rms} / 1000 V dc (1700 V _{pk})
Nominal Voltage Range Wye	50 V to 1000 V
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Input ImpedanceP _{toP} andP _{to N}	10 MΩ
PQ Bandwidth	DC to 30 kHz excluding transients
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Data Storage 1773	8 GB internal expandable microSD
Harmonics	h ₀ to h ₅₀
Interharmonics	ih ₀ to ih ₅₀

PARAMETER	VALUE
Supraharmonics	2 to 30 kHz bins
Operating Temperature	-10 C to 50 C
Storage Temperature	-20 C to 60 C
On Battery Runtime	up to 1.25 hr
Calibration Cycle	2 years
Ingress Protection Caps On	IP50
Power Supply From Circuit	100 V to 600 V -10%/+10%

Notes
From Fluke 1773/1775/1777 Product Specifications. Transient high-speed sampling rates differ on 1775/1777; the 1773 shares the series voltage/current/PQ measurement architecture listed above.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.