

**Aumictech**

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Data Sheet

August 12, 2026

FLUKE

Fluke 368 FC True RMS Leakage Current Clamp Meter, 40 mm

Applications - Find intermittent GFCI/RCD trips - Trend leakage current for predictive maintenance - Measure complex non-sinusoidal leakage waveforms (true-RMS) - Work in cabinets with LED worklight and backlit display Key Features - True-RMS leakage measurements - 40 mm jaw; fully shielded - 1 uA class resolution; up to 60 A - Selectable filter to reduce noise - Max/Min/Average and hold - Fluke Connect wireless - CAT III 600 V / CAT IV 300 V Technical Specifications Model: 368 FC Manufacturer: Fluke Instrument Type: Leakage Current Clamp Meter Alias: 368 FC; Fluke 368 FC; Fluke 368FC Measurement function: AC current (true-RMS) AC ampere ranges: 3 mA, 30 mA, 300 mA, 3 A, 30 A, 60 A Resolution 3 mA range: 0.001 mA Resolution 30 mA range: 0.01 mA Resolution 300 mA range: 0.1 mA Resolution 3 A range: 0.001 A Resolution 30 A range: 0.



MODEL

Fluke 368 FC

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

368 FC

LISTING

<https://aumictechlabs.com/products/368-fc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 368 FC is a True RMS leakage current clamp meter engineered for precision AC current measurement in industrial and commercial electrical systems. With a 40 mm jaw opening and fully shielded jaw design, it captures small leakage signals while rejecting external electromagnetic interference. The meter delivers True RMS measurements across complex, non-sinusoidal

waveforms with a crest factor of 3, ensuring accuracy in real-world power conditions. Technical Specifications Measurement range spans 3 mA to 60 A across six selectable scales. The 3 mA, 30 mA, and 300 mA ranges offer 0.001 mA, 0.01 mA, and 0.1 mA resolution respectively. The 3 A, 30 A, and 60 A ranges provide 0.001 A, 0.01 A, and 0.1 A resolution. Accuracy is $\pm 1\%$ + 5 digits for 3 mA through 30 A, and $\pm 2\%$ + 5 digits for the 60 A range. Frequency response extends from 40 Hz to 1 kHz. A selectable filter removes noise within the 40 to 70 Hz band while maintaining accuracy with the filter off at 40 Hz to 1 kHz. The 3300-count backlit LCD display refreshes at 4 times per second. Data logging stores up to 65,000 measurement points internally.

Min/Max/Average readings and a data hold function enable detailed trend analysis. The meter supports wireless connectivity via Fluke Connect for remote monitoring and cloud-based data management. Key Features CAT III 600 V / CAT IV 300 V safety rating for use in industrial environments Forward-facing LED work light for illuminated measurement sites Auto power-off after 15 minutes of inactivity; auto backlight-off to extend battery life Two AA alkaline batteries (IEC LR6) provide over 150 hours operation without backlight and spotlight Operating temperature range: $-10\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$; storage: $-40\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ Compact form factor: 234 mm H $\times$ 101 mm W $\times$ 46 mm D; weight 500 g Typical Applications Leakage current diagnostics in medical device installations, building electrical systems, industrial machinery control circuits, and equipment safety verification. Compatibility & Integration Fluke Connect app integration enables real-time data streaming, historical analysis, and automated alerting across networked measurement campaigns.

Features & description

From manufacturer datasheet

Features

- True-RMS leakage measurements • 40 mm jaw; fully shielded • 1 uA class resolution; up to 60 A • Selectable filter to reduce noise • Max/Min/Average and hold • Fluke Connect wireless • CAT III 600 V / CAT IV 300 V

Applications

- Find intermittent GFCI/RCD trips • Trend leakage current for predictive maintenance • Measure complex non-sinusoidal leakage waveforms (true-RMS) • Work in cabinets with LED worklight and backlit display

368FC Characteristics / Specifications

PARAMETER	VALUE
Model	368 FC
Manufacturer	Fluke
Instrument Type	Leakage Current Clamp Meter
Alias	368 FC; Fluke 368 FC; Fluke 368FC
Measurement function	AC current (true-RMS)
AC ampere ranges	3 mA, 30 mA, 300 mA, 3 A, 30 A, 60 A
Resolution 3 mA range	0.001 mA
Resolution 30 mA range	0.01 mA
Resolution 300 mA range	0.1 mA
Resolution 3 A range	0.001 A
Resolution 30 A range	0.01 A
Resolution 60 A range	0.1 A
Accuracy 60 A	2% + 5 digits
Frequency	40 Hz to 1 kHz
Crest factor	3
Jaw opening	40 mm
Display	3300 count; refresh 4/s
Size	101 × 234 × 46 mm
Weight	500 g
Battery	2x AA
Battery life class	more than 150 hours (backlight/spotlight off)
Safety	CAT III 600 V / CAT IV 300 V
Operating temperature	-10 to +50 C
IP rating	IP30 jaw closed

PARAMETER	VALUE
Operating altitude	2000 m Notes Specs from Fluke 368/369 FC datasheet. Confirm FC wireless enabled and filter setting used for readings.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	10 to +50 C
Operating Temperature	10 to +50 C
IP rating	IP30 jaw closed
Operating altitude	2000 m Notes Specs from Fluke 368/369 FC datasheet. Confirm FC wireless enabled and filter setting used for readings.

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	
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PARAMETER	VALUE
Model	368 FC
Manufacturer	Fluke
Instrument Type	Leakage Current Clamp Meter
Alias	368 FC; Fluke 368 FC; Fluke 368FC
Specifications	
PARAMETER	VALUE
Measurement function	AC current (true-RMS)
AC ampere ranges	3 mA, 30 mA, 300 mA, 3 A, 30 A, 60 A
Resolution 3 mA range	0.001 mA
Resolution 30 mA range	0.01 mA
Resolution 300 mA range	0.1 mA
Resolution 3 A range	0.001 A
Resolution 30 A range	0.01 A
Resolution 60 A range	0.1 A
Accuracy filter on 40-70 Hz (3 mA-30 A): 1% + 5 digits	
Specifications	
PARAMETER	VALUE
Accuracy 60 A	2% + 5 digits
Frequency	40 Hz to 1 kHz
Crest factor	3
Jaw opening	40 mm
Display	3300 count; refresh 4/s
Size	101 x 234 x 46 mm
Weight	500 g
Battery	2x AA

PARAMETER	VALUE
Battery life class	more than 150 hours (backlight/spotlight off)

Auto shut-down: 15 minutes inactivity

Specifications

PARAMETER	VALUE
Safety	CAT III 600 V / CAT IV 300 V
Operating temperature	-10 to +50 C
IP rating	IP30 jaw closed
Operating altitude	2000 m

Notes
Specs from Fluke 368/369 FC datasheet. Confirm FC wireless enabled and filter setting used for readings.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.