TECHNICAL DATA

Fluke 368/368 FC and 369/369 FC Leakage Current Clamp Meters



Measure leakage current to track small problems, avoid large problems

The Fluke 360 Series of true-rms leakage current clamp meters help users detect, document, record and compare leakage current readings over time as a means of preventing unplanned downtime, and identifying intermittent GFCI and RCD trips, without taking equipment off line.

The Fluke 368 FC and 369 FC have large diameter jaws (40 mm for the 368 FC, 61 mm for the 369 FC) for work with larger conductors. The clamp's jaw is fully shielded to accurately capture very small leakage signals, and to minimize external electromagnetic interference.

The 368 FC and 369 FC also offer wireless data connectivity via Fluke Connect. As part of Fluke Connect—the industry's largest system of software and more than 40 wireless test tools—the 368 FC and 369 FC allow you to track changes in leakage current over time, helping to identify potential problems before they turn into major failures.

FLUKE CONNECT®

FLUKE CONNECT COMPATIBLE (368 FC, 369 FC ONLY)

Download the free Fluke Connect® app from iTunes or Google Play to enable graphs for trending

LARGE JAW

61 mm jaw (369 FC, 369) for use with large cables

WORKLIGHT, BACKLIGHT

Forward-facing worklight, plus backlit display for use in dark wiring cabinets

SPECIALIZED CURRENT MEASUREMENTS

Highest resolution of 1 µA, measure up to 60 A, true-rms for accurate measurements of complex signals





FLUKE®

Product overview

- True-rms measurements for accuracy when measuring complex, non-sinusoidal waveforms
- 61 mm large jaw design (369/369 FC), 40 mm jaw (368/368 FC)
- Highest resolution of 1 µA, measure up to 60 A
- Selectable filter function eliminates unwanted noise
- Max/Min/Average readings and hold function
- Forward-facing LED worklight for use in dark wiring cabinets
- Backlit display; auto backlight off and auto power off for extended battery life
- CAT III 600 V safety rating

Technical specifications

Measurement function	Alternating current	
AC ampere range	3 mA, 30 mA, 300 mA, 3 A, 30 A, 60 A	
Range selection	mA A: manual selection	
	3 mA, 30 mA, 300 mA: automatic selection	
	3 A, 30 A, 60 A: automatic selection	
Range/Resolution	3 mA[1]/0.001 mA	
	30 mA/0.01 mA	
	300 mA/0.1 mA	
	3 A/0.001 A	
	30 A/0.01 A	
	60 A/0.1 A	
Accuracy – filter activated (40 to 70 Hz), filter off (40 to 1 kHz)[2]	368/368 FC	
	3 mA – 30 A	1 % + 5 digits
	60 A	2 % + 5 digits
Accuracy – filter activated (40 to 70 Hz), filter off (40 to 1 kHz)[2]	369/369 FC	
	3 mA to 30 A	1.5 % + 5 digits
	60 A	2 % + 5 digits
Frequency	40 Hz to 1 kHz	
Crest factor	3	

After calibration accuracy is valid for one year. Accuracy is expressed as ± (% of reading + digits). Reference conditions 23 ± 5 °C and a maximum relative humidity of 80 %.

[1]The minimum value is 10 µA rms. [2]Outside of the TC/°C 18 °C to 28 °C, 0.02 + 1

Physical		
Display (LCD)	Digital readout: 3300 count	
Display refresh rate	4 times/sec	
Maximum conductor diameter	368/368 FC	40 mm
	369/369 FC	61 mm
Size (wxhxd)	368/368 FC	101 mm x 234 mm x 46 mm
	369/369 FC	116 mm x 257 mm x 46 mm
Weight	368/368 FC	500 g
	369/369 FC	600 g
Battery	2 AA, IEC LR6, NEDA 15A, alkaline	
Battery life	Expected battery life, without using backlight and spotlight, is more than 150 hours	
Automatic shut-down	Meter automatically shuts down after 15 minutes of inactivity.	
Safety and environmental specifications		
General safety	IEC 61010-1: Pollution Level 2	
Measurement safety	IEC 61010-2-032: CAT III 600 V	
Operating temperature	-10 °C to +50 °C	
Storage temperature	-40 °C to +60 °C	
Operating humidity	Non-condensing (<10 °C)	
	90 % relative humidity (10 °C to 30 °C)	
	75 % relative humidity (30 °C to 40 °C)	
	45 % relative humidity (40 °C to 50 °C)	
Protection class	IEC 60529: IP30 (jaw closed)	
Operating altitude	2000 m	
Storage altitude	12000 m	
Current sensor action category	IEC 61557-13: Class 1, ≤ 100 A/m	
Electromagnetic compatibility (EMC)		
International		
IEC 61326-1	Industrial Electromagnetic Environment	
CISPR 11	Group 1 Class B	
Group 1	Generated inside the equipment and / or use radio frequency energy associated with conducting the energy for the device's own internal functions is essential.	
Class B	Equipment for home appliances and residential buildings directly connected to a low voltage power supply network equipment. When this device is connected to a test object, it may exceed the emission levels produced by CISPR 11 requirements.	
	Korea (KCC): A type of equipment (radio and communication equipment industry)	
Class A	This product meets the requirements of industrial electromagnetic equipment, vendors or users should be aware of this. This device is intended for use in a commercial environment, instead of the home environment.	
	USA (FCC): 47 CFR 15 B Subpart. In accordance with section 15.103 provides that the products are considered tax-free device.	



Preventive maintenance simplified. Rework eliminated.

Save time and improve the reliability of your maintenance data by wirelessly syncing measurements using the Fluke Connect® system.

- Eliminate data-entry errors by saving measurements directly from the tool and associating them with the work order, report or asset record.
- Maximize uptime and make confident maintenance decisions with data you can trust and trace.
- Access baseline, historical and current measurements by asset.
- Move away from clipboards, notebooks and multiple spreadsheets with a wireless one-step measurement transfer.
- Share your measurement data using ShareLive™ video calls and emails.
- The 360 Series is part of a growing system of connected test tools and equipment maintenance software. Visit the website to learn more about the Fluke Connect® system.

Find out more at **flukeconnect.com**

Download on the App Store

ANDROID APP ON Google play



All trademarks are the property of their respective owners. WiFi or cellular service required to share data. Smartphone, wireless service and data plan not included with purchase. First 5 GB of storage is free. Phone support details can be viewed at **fluke.com/phones**.

Smart phone wireless service and data plan not included with purchase. Fluke Connect is not available in all countries.

Ordering information

FLUKE-368 Leakage Clamp, 40 mm
FLUKE-369 Leakage Clamp, 61 mm
FLUKE-368 FC Leakage Clamp, 40 mm
FLUKE-369 FC Leakage Clamp, 61 mm

Included

Leakage clamp meter, soft case, manual, batteries: 2 AA



Fluke. *Keeping your world up and running.®*

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.
PO Box 1186, 5602 BD
Eindhoven, The Netherlands

For more information call:
In the U.S.A. (800) 443-5853 or
Fax (425) 446-5116
In Europe/M-East/Africa +31 (0) 40 2675 200 or
Fax +31 (0) 40 2675 222
In Canada (800)-36-FLUKE or
Fax (905) 890-6866
From other countries +1 (425) 446-5500 or
Fax +1 (425) 446-5116
Web access: http://www.fluke.com

©2016 Fluke Corporation.
Specifications subject to change without notice.
6/2016 6008008a-en

Modification of this document is not permitted without written permission from Fluke Corporation.