

TECHNICAL DATA

Fluke a3003 FC Wireless 2000 A DC Current Clamp Meter



Key features

The a3003 FC Wireless DC Current Clamp Meter is a fully functional current clamp meter that wirelessly relays measurements to other Fluke Connect® enabled master units, listed below:

- Fluke 3000 FC Digital Multimeter
- Fluke Ti200/300/400 Infrared Camera
- PC via optional pc3000 FC Adapter
- Fluke Connect Mobile app
- TiX560 and TiX520

The a3003 FC Wireless 2000 A DC Current Clamp, with its extra-wide jaw, easily clamps around large conductors, typically found in mining, utility, marine, rail or other heavy manufacturing industries where large DC currents or large current carrying cables are found.

The Fluke a3003 FC main features include:

- Measures from 10 A to 2000 A DC
- Large jaw size (64 mm) for measuring large, high current conductors
- Use the logging function for the recording and saving up to 65,000 measurements
- Includes magnetic hanging strap

Product overview: Fluke a3003 FC Wireless 2000 A DC Current Clamp Meter

See it. Save it. Share it.

All the facts, right in the field. The Fluke a3003 FC Wireless 2000 A DC Current Clamp Meter is one member of a growing family of Fluke wireless test tools that let you record and log data over time, and share test data using the Fluke Connect® app with ShareLive™ video call.

The a3003 is the tool of choice for high current DC ammeter applications that require measurements up to 2000 A DC. The extra-wide jaw easily clamps around large conductors, typically found in mining, utility, marine, rail or other heavy manufacturing industries where large DC currents or large current carrying cables are found. The a3003's unique jaw construction allows for a wide measurement range meaning that you can accurately make measurements from 10 A DC to 2000 A DC.

Fluke Connect Wireless Test Tools put tools, not your body, near hazardous electrical environments or dangerous work locations. It's simple. Connect the a3003 FC DC current meter or any of the other Fluke Connect remote meters, and read the results on the Fluke Connect Wireless Multimeter or a portable PC from a safe distance.

Better still, the Fluke Connect test tools can send measurement data to your smartphone, so you can save and share measurements from the field with your team anytime, from anywhere.

Don't get bogged down while isolating intermittent electrical faults.

Timing is everything when trying to find an intermittent problem and the hard part is, it doesn't always show up when you have your meter connected. We've solved that problem with Fluke Connect - leave your remote modules connected to log measurements and walk away to address other issues. You can then download the data for further analysis.

- Send data to your laptop and go from logging to analysis and diagnosis.
- Record over time to monitor circuit load changes for an hour, a shift or a week.
- Use the Fluke Connect wireless USB adapter to collect logged data from remote modules by walking past a working module and downloading logged data.
- Perform for analysis with your PC and share the results using Fluke Cloud™ storage and ShareLive™ video call. View data or graphs to get input from team members.

Specifications: Fluke a3003 FC Wireless 2000 A DC Current Clamp Meter

DC Current Function	
Range	1.0A to 999.9 A DC 1000 A to 2000 A DC
Resolution	0.1 A 1 A
Accuracy	2% ± 5 digits 2.5% ± 5 digits
Specifications	

LCD w/backlight	3 ½ digits
Log rate/Interval	1 sec minimum/adjustable by PC or front pannel
Battery type	2 AA NEDA 15 A IEC LR6
Battery life	120 hours
Memory	Record up to 65,000 readings
RF communications	2.4 GHz ISM Band
RF communication range	Open air, unobstructed: Up to 20 m Obstructed, sheetrock wall: Up to 6.5 m Obstructed, concrete wall or steel electrical enclosure: Up to 3.5 m
Operating temperature	-10°C to +50°C
Storage temperature	-40°C to +60°C
Temperature coefficient	Add 0.1 X (specified accuracy) /°C (< 18°C or > 28°C)
Operative humidity	90% at 35°C 75% at 40°C 45% at 50°C
Altitude	Operating 2,000 m Storage 12,000 m
EMC	EN 61326-1:2013
Safety compliance	IEC 61010-1 600 V CAT IV / 1000 V CAT III 3rd edition
Certifications	CSA C-US CE FCC: T68-FBLE IC: 6627A-FBLE
Ingress Protection (IP) rating	IP42
Jaw opening	64 mm
Size (HxWxD)	16.5 mm x 6.35 cm x 1.4 cm (6.5 in x 2.5 in x 1.4 in)
Weight	.65 kg (1.75 lb)
Note: Not compatible with Fluke CNX test tools.	

Ordering information



FLK-a3003 FC

Fluke a3003 FC Wireless 2000 A DC Current Clamp

Includes:

- DC current module
- Batteries
- Hanging strap magnet
- Quick start guide



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.

Find out more at flukeconnect.com



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