

## TECHNICAL DATA

# Fluke a3004 FC Wireless 4-20 mA DC Clamp Meter



## Key features

Fluke a3004 FC Wireless 4-20mA DC 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 DMM
- Fluke Ti200/300/400 Infrared Camera
- PC via optional pc3000 FC Adapter
- Fluke Connect Mobile app
- TiX560 and TiX520

Fluke a3004 FC Wireless 4-20 mA DC Clamp Meter main features include:

- Measure 4 to 20 mA signals without "breaking the loop"
- Detachable clamp with extension cable for measurements in tight locations
- Use as a standalone meter or as part of the system
- Use the logging function for the recording and saving up to 65,000 measurements

## Product overview: Fluke a3004 FC Wireless 4-20 mA DC Clamp

## Meter

### See it. Save it. Share it.

All the facts, right in the field. The Fluke a3004 FC Wireless 4-20 mA Current Clamp Meter is one member of a family of 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.

Fluke Connect Wireless Test Tools put tools where measurement access or separation may be an issue. It's simple. Connect the a3004 FC current meter, or any of the other Fluke Connect remote meters, and read the results on the Fluke Connect Wireless Multimeter or a 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.

Test or troubleshoot 4-20mA control loops used with drive systems, plc's, or building energy management systems.

- Save time by NOT breaking the loop on 4-20 mA signal measurements.
- **Are you spending time:**
  - Taking mA measurements by removing a wire and breaking the loop
  - Calling the control room to isolate a loop
  - Testing analog input/output on a console
  - Troubleshooting devices with mA inputs and outputs
  - Repairing intermittent or erratic 4-20 mA loops
- Now you can troubleshoot and repair 4-20 mA loops without breaking the loop or bringing down the system.
- Send data to your laptop and go from logging to analysis and diagnosis.
- 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 a3004 FC Wireless 4-20 mA DC Clamp Meter

DC Current Function	
Range	0.05 mA to 20.99 mA DC 21.0 mA to 99.9 mA DC
Resolution	0.01 mA 0.1 mA
Accuracy	0.2% ± 5 digits 1.0% ± 5 digits
Specifications	
LCD w/backlight	3 ½ digits
Log rate/Interval	1 sec minimum/adjustable by PC or front pannel
Baery type	2 AA NEDA 15 A IEC LR6

Baery life	45 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
Maximum voltage between terminal and earth ground (module)	30 V DC or AC rms
Certifications	CSA C-US CE FCC: T68-FBLE IC: 6627A-FBLE
Ingress Protection (IP) rating	IP42
Jaw opening	4.5 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	0.299 kg (0.8 lb)
Note: Not compatible with Fluke CNX test tools.	

## Ordering information



### **FLK-a3004 FC**

Fluke a3004 FC Wireless 4-20 mA DC Clamp

Includes:

- a3004 meter module
- Batteries
- Hanging strap
- 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](https://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.**