

# Fluke 3000 FC Test Tools

Connect your tools. Connect your data.



3000 FC

a3000 FC

t3000 FC

v3001 FC

a3001 FC

All the facts,  
right in the field.



## The Fluke Connect™ app

The Fluke Connect™ app works with many existing Fluke test tools, including:

- Infrared cameras: Fluke Ti9x Series, Ti1xx Series, Ti400 Series with LaserSharp® Auto Focus
- Logging multimeters: Fluke 287 and 289
- Insulation testers: Fluke 1550C and 1555 (ir3000 FC Wireless Connector required)



### Fluke 3000 FC Wireless Multimeter

The Fluke 3000 FC Wireless Multimeter with the Fluke Connect™ app has all the essentials for convenient test and measurement troubleshooting.

- AC and dc voltage measurements to 1000 V
- AC and dc current with 0.01 mA resolution
- Continuity, resistance, diode test, capacitance and frequency measurements
- MIN/MAX Recording
- CAT III 1000 V, CAT IV 600 V; IP54

### Fluke a3000 FC Wireless AC Current Clamp Module

- True-rms to 400 A ac
- Logging function for recording and saving up to 65,000 readings
- Inrush function

### Fluke a3001 FC Wireless iFlex AC Current Module

- Measure up to 2500 A ac
- Logging function for recording and saving up to 65,000 readings
- Inrush function

### Fluke a3002 FC Wireless AC/DC Current Module (not shown)

- Measure up to 400 A ac or 400 A dc with i410 (sold separately)
- Measure up to 600 A ac or 1000 A dc with i1010 (sold separately)
- Use as a standalone meter or as part of the system
- Logging function for recording and saving up to 65,000 readings

### Fluke v3000 FC Wireless AC Voltage Module (not shown)

- Measure up to 1000 V true-rms ac
- Use as a standalone meter or as part of the system
- Logging function for recording and saving up to 65,000 readings

### Fluke v3001 FC Wireless DC Voltage Module

- Measure up to 1000 V dc
- Use as a standalone meter or as part of the system
- Use the logging function for recording and saving up to 65,000 readings

### Fluke t3000 FC Wireless K-type Temperature Module

With the Fluke t3000 FC Wireless K-Type Temperature Module you can:

- Use as a standalone meter (-200 °C to 1372 °C) or as part of the system
- Logging function for recording and saving up to 65,000 readings



### Fluke Connect Wireless PC Adapter

- Collects up to 65,000 sets of time stamped min/max/avg readings from FC remote modules
- Display up to six simultaneous live readings
- Custom logging intervals and custom names for modules.
- Includes Windows SW3000 software

## Recommended accessories



**Fluke C3000**  
Premium Modular  
Tool Bag



**Fluke C3004**  
Soft Case: Six internal  
pockets for FC modules,  
3000 FC DMM,  
accessories



**Fluke C3002**  
Modular DMM Two-  
Compartment Soft Case



**Fluke C3003**  
Modular DMM Three-  
Compartment Soft Case

# Fluke Connect™ Wireless Industrial System

Kits tailored for your specific application

## Industrial



### FC Wireless Industrial System

- Fluke 3000 FC Series Wireless Multimeter
- Fluke a3001 FC Wireless iFlex AC Current Module (3)
- Fluke v3000 FC Voltage Module
- TL224 Test Leads
- TL175 Test Leads
- AC285 Alligator Clips
- AC175 Alligator Clips
- iFlex i2500-10 Flexible Current Probe (3)
- Magnetic hanging straps (4)
- pc3000 FC PC Adapter
- C3004 Premium toolbag (not shown)

## General maintenance



### FC Wireless General Maintenance System

- Fluke 3000 FC Series Wireless Multimeter
- Fluke v3000 FC Voltage Module
- Fluke v3001 FC Voltage Module
- Fluke a3001 FC Wireless iFlex AC Current Module
- TL224 Test Leads
- TL222 Test Leads
- TL175 Test Leads
- AC285 Alligator Clips
- AC220 Alligator Clips
- AC175 Alligator Clips
- iFlex i2500-10 Flexible Current Probe
- Magnetic hanging straps (3)
- pc3000 FC PC Adapter
- C3004 Premium toolbag (not shown)

## HVAC



### FC Wireless HVAC System

- Fluke 3000 FC Series Wireless Multimeter
- Fluke a3000 FC Wireless AC Current Clamp Module
- Fluke t3000 FC Thermocouple Thermometer
- TL175 Test Leads
- AC175 Alligator Clips
- 80PK-1 K-type Bead Thermocouple
- Magnetic hanging strap
- pc3000 FC PC Adapter
- C3003 3-Compartment Soft Case



## Additional kits



### FC Wireless a3000 Current Kit

- Fluke 3000 FC Series Wireless Multimeter
- Fluke a3000 FC Wireless AC Current Clamp Module
- TL175 Test Leads
- AC175 Alligator Clips



### FC Wireless a3001 Current Kit

- Fluke 3000 FC Series Wireless Multimeter
- Fluke a3001 FC Wireless iFlex AC Current Module
- TL175 Test Leads
- AC175 Alligator Clips
- iFlex i2500-10 Flexible Current Probe



### FC Wireless v3000 AC Voltage Kit

- Fluke 3000 FC Series Wireless Multimeter
- Fluke v3000 AC Voltage Module
- TL224 Test Leads
- AC175 Alligator Clips
- AC285 Alligator Clips
- TL175 Test Leads
- Magnetic hanging strap



### FC Wireless v3001 DC Voltage Kit

- Fluke 3000 FC Series Wireless Multimeter
- Fluke v3001 DC Voltage Module
- TL222 Test Leads
- AC175 Alligator Clips
- AC220 Alligator Clips
- TL175 Test Leads
- Magnetic hanging strap

## Ordering information

Models	Description
FLK-3000 FC	Fluke 3000 FC Series Wireless Multimeter
FLK-a3000 FC	Fluke a3000 FC Wireless AC Current Clamp Module
FLK-a3001 FC	Fluke a3001 FC Wireless iFlex AC Current Module
FLK-a3002 FC	Fluke a3002 FC Wireless AC/DC Current Module
FLK-3000 FC GM	Fluke Connect Wireless General Maintenance System
FLK-3000 FC HVAC	Fluke Connect Wireless HVAC System
FLK-3000 FC IND	Fluke Connect Wireless Industrial System
FLK-a3000 FC KIT	Fluke Connect Wireless Essential Kit with a3000
FLK-a3001 FC KIT	Fluke Connect Wireless Essential Kit with a3001
FLK-t3000 FC	Fluke t3000 FC Wireless K-Type Temperature Module
FLK-v3000 FC	Fluke v3000 FC Wireless AC Voltage Module
FLK-v3001 FC	Fluke v3001 FC Wireless DC Voltage Module
FLK-t3000 FC KIT	Fluke Connect Wireless Essential Kit with t3000
FLK-v3000 FC KIT	Fluke Connect Wireless Essential Kit with v3000
FLK-v3001 FC KIT	Fluke Connect Wireless Essential Kit with v3001
FLK-v3003 FC KIT	Fluke Connect Wireless v3003 AC-DC Voltage Kit
FLK-pc3000 FC	Fluke Connect Wireless PC Adapter



# Fluke 3000 FC Series Wireless Multimeter



The Fluke 3000 FC True-rms Wireless Multimeter and Fluke Connect wireless test tools put tools, not your body, near live electrical panels. It's simple. Just deenergize the cabinet, open the panel while wearing PPE and connect the remote modules, whether they are voltage modules, current clamps, flexible current loops or thermometers. Then read the results on the 3000 FC Wireless Multimeter from a safe distance.

You can display the meter measurement, plus readings from up to three wireless modules, while reducing the risk of arc flash by separating yourself from hazardous measurement situations.

Better still, the Fluke 3000 FC Series Wireless Multimeter can send measurement data to your smartphone, so you can save and share measurements from the field with your team anytime, from anywhere.

## Other capabilities of Fluke Connect and the 3000 FC Multimeter

- Add your laptop and go from logging to analysis and diagnosis
- Record over time using the Fluke Connect wireless modules and 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 and downloading logged data

## Features

The Fluke 3000 FC Series Wireless Multimeter with the Fluke Connect™ app has all the essentials for convenient test and measurement troubleshooting.

- AC and dc voltage measurements to 1000 V
- AC and dc current with 0.01 mA resolution
- Continuity, resistance, diode test, capacitance and frequency measurements
- MIN/MAX recording
- CAT III 1000 V, CAT IV 600 V; IP54

## Recommended accessories



**TL175**  
TwistGuard™ Test Leads  
Meet new IEC 61010-031 requirements  
Wear-Guard™ test lead wear indicator  
See page 70



**C35**  
Soft Case  
See page 67

## Recommended kits



### FC Wireless v3003 AC-DC Voltage Measurement Kit

- Fluke 3000 FC Series Wireless Multimeter
- Fluke v3000 AC Voltage Module
- Fluke v3001 DC Voltage Module
- TL175 Test Leads
- TL224 Test Leads
- TL222 Test Leads
- AC175 Alligator Clips
- AC285 Alligator Clips
- AC220 Alligator Clips
- Magnetic hanging straps



### FC Wireless t3000 Temperature Kit

- Fluke 3000 FC Series Wireless Multimeter
- Fluke t3000 K-Type Thermocouple Thermometer
- TL175 Test Leads
- AC175 Alligator Clips
- 80PK-1 K-Type Bead Thermocouple
- Other K-Type temperature probes also available
- Magnetic hanging strap

## Specifications

Functions	Range and resolution	Basic accuracy
AC voltage	600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000 V	1.0 % + 3
DC voltage	600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000 V	0.09 % + 2
Continuity		Meter beeps at < 25 Ω, beeper detects opens or shorts of 250 μs or longer
Resistance	600 Ω, 600.0 Ω, 6.000 kΩ, 60.00 kΩ, 600.0 kΩ, 600.0 kΩ, 50.00 MΩ	0.5 % + 1
Diode test	2.000 V	1 % + 2
Capacitance	1000 nF, 10.00 μF, 100.0 μF, 9999 μF <sup>1</sup>	1.2 % + 2
mA AC (45 Hz to 1 kHz)	60.00 mA, 400.0 mA <sup>2</sup>	1.5 % + 3
mA DC <sup>3</sup>	60.00 mA, 400.0 mA <sup>3</sup>	0.5 % + 3
Frequency	0.01 Hz, 0.1 Hz, 0.001 kHz, 0.01 kHz	0.1 % + 1

<sup>1</sup> In the 9999 μF range for measurements to 1000 μF, the measurement accuracy is 1.2 % + 2.

<sup>2</sup> Input burden voltage (typical): 400 mA input 2 mV/mA.

<sup>3</sup> 400.0 mA accuracy specified up to 600 mA overload.

For all specifications: accuracy is specified for one year after calibration, at operating temperatures of 18 °C to 28 °C, with relative humidity at 0 % to 90 %. Accuracy specifications take the form of ± ([ % of Reading ] + [ Number of least significant digits ]).  
(Not compatible with Fluke CNX test tools)







## Ordering information

Included accessories	Models
True-rms Wireless Multimeter, TL175 Test Leads, AC175 Alligator Clips, manual information pack.	FLK-3000FC FC Wireless Digital Multimeter

Check price and availability at  
[www.fluke.com/wtb](http://www.fluke.com/wtb)

# Pick the right digital multimeter for you

## Digital multimeter selection guide

							
<b>Models</b>	<b>Highest Accuracy 289</b>	<b>Industrial 87V</b>	<b>IP 67 28-II</b>	<b>General Purpose 179</b>	<b>Building Maintenance 117</b>	<b>HVAC/R Techs 116</b>	<b>Wireless Hub 3000 FC DMM</b>
<b>Best for</b>	<b>Data logging</b>	<b>Variable speed drives</b>	<b>Harsh environments</b>	<b>Everyday use</b>	<b>Wide variety of electrical work</b>	<b>HVAC troubleshooting</b>	<b>Industrial, HVAC and general maintenance</b>
<b>Basic features</b>							<b>Wireless</b>
True-rms readings	AC+DC	AC	AC	AC	AC	AC	AC
Basic dc accuracy	0.025 %	0.05 %	0.05 %	0.09 %	0.5 %	0.5 %	0.09 %
Bandwidth	100 kHz	20 kHz	20 kHz				
Auto/manual ranging	•	•	•	•	•	•	•
Digits	4-1/2	4-1/2	4-1/2	3-1/2	3-1/2	3-1/2	3-1/2
Counts	50,000	20,000	20,000	6,000	6,000	6,000	6,000
<b>Measurements</b>							
Voltage ac/dc	1000 V	1000 V	1000 V	1000 V	600 V	600 V	1000 V
Current ac/dc	10 A	10 A	10 A	10 A	10 A	600 µA	400 mA
Resistance	500 MΩ	50 MΩ	50 MΩ	50 MΩ	40 MΩ	40 MΩ	50 MΩ
Frequency	1 MHz	200 kHz	200 kHz	100 kHz	50 kHz	50 kHz	100 kHz
Capacitance	100 mF	10 mF	10 mF	10 mF	10 mF	10 mF	10,000 µF
Temperature	+1350 °C	+1090 °C	+1090 °C	+400 °C		+400 °C	
dB	60 dB						
Conductance	50 nS	60 nS	60 nS				
Duty cycle/pulse width	•	•/—	•/—				
Motor drive measurements/low pass filter	•	•	•				
Continuity with beeper/diode test	•	•	•	•	•	•	•
Low ohms (50 Ω)	•						
<b>Display</b>							
Dual display	•						•
Analog bargraph	•	•	•	•	•	•	
Backlight	•	•	•	•	•	•	•
Wireless display to DMM or PC							•
<b>Data storage and exchange</b>							
Min/max recording		•	•	•	•	•	
Min/max recording with time stamp	•						•/—
Fast min/max	250 µs	250 µs	250 µs				
Display hold/auto (touch) hold	•	•	•	•	•	•	•
Relative reference	•	•	•				
PC interface	•						Wireless dongle
Data logging	•						
Readings memories	15,000						
<b>Other features</b>							
Automatic selection, LoZ					•	•	
LoZ	•						
Non-contact ac voltage detector					•		
Real-time clock	•						
Overmolded case, integrated holster	•			•			•
Removable holster		•	•		•	•	
ToolPak compatibility	•	•	•	•	•	•	•
Closed case calibration/separate battery door	•	•	•	•	•	•	•
Completely sealed/watertight			•				
Automatic power off	•	•	•	•	•	•	•
Low battery indication	•	•	•	•	•	•	•
Operating temperature ranges	-20 °C, +55 °C	-20 °C, +55 °C	-40 °C, +55 °C	-10 °C, +50 °C	-10 °C, +50 °C	-10 °C, +50 °C	-10 °C, +50 °C
<b>Warranty and electrical safety</b>							
Limited lifetime warranty	•	•	•	•			
Warranty (years)					3	3	3
Input alert	•	•	•				
Dangerous voltage indication	•	•	•	•	•	•	•
IP rating							IP 54
CAT III measurements	1000 V	1000 V	1000 V	1000 V	600 V	600 V	1000 V
CAT IV measurements	600 V	600 V	600 V	600 V			600 V
See page	6	7	8	9	11	12	4