



# SEE IT. SAVE IT. SHARE IT.

All the facts, right in the field.



#### **Get the FREE Fluke Connect™ App!**

By using the Fluke Connect™ App, you can efficiently and safely capture, store and share maintenance data without leaving the field. You can securely connect and collaborate with others, so they can see what you see.





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#### **Troubleshoot faster**

Instantly trend and monitor intermittent problems with TrendIt™ graphs so you can easily identify trends and stop problems before they happen. Seeing is believing - trend data over time and prove your point.



# Share from anywhere

Stay on the same page even when you and your team are in different places and on different devices. With the ShareLive™ video call feature, securely connect and collaborate with others, so they can see what you see in

real time. Get approvals without leaving the field.

# **Save Time Reporting**

Make better decisions faster than before. Organize your measurements by asset in one location with EquipmentLog™ history. Measure once, and cut out the paper with AutoRecord™ measurements.

When your measurements are associated with equipment, there is no need to record in the field and then transcribe into an office computer. Make decisions quicker than before by viewing temperature, mechanical, electrical and vibration measurements from one location.





# Fluke Connect™ Selection Guide

The Fluke Connect™ App displays readings from up to ten modules on the iPhone and six modules on an Android device. A vast range of Fluke Infrared Cameras display their own measurements plus readings from up to five wireless modules. The 3000 FC Wireless Digital Multimeter displays its own readings plus measurements from up to three wireless modules. The 173X Power Loggers and 174X Power Quality Loggers display their own measurements plus readings from up to two wireless modules.

Fluke Connect™ tools	Fluke Connect™ App – iOS and Android™	TiX580 Infrared Camera	Ti480 PRO Infrared Camera	PTi120/TiSxx Series Infrared Cameras	3000 FC Digital Multimeter	902 FC True-RMS HVAC Clamp Module	378/377/376/375/374/393 FC Clamp Meters	a3000/a3001 FC AC Current Clamp Modules	a3002 FC AC/DC Current Clamp Module	a3003/a3004 FC DC Current Clamp Modules	v3000 FC AC Voltage Module	v3001 FC DC Voltage Module	t3000 FC Temperature Module	1555/1550C Insulation Resistance Testers	1742/1746/1748 Power Quality Loggers	1732/1734/1736/1738 Electrical Loggers	729 FC Automatic Pressure Calibrator	787B/789 ProcessMeter <sup>™</sup>	1587 FC Insulation Multimeter	1664 FC Multifunction Installation Tester	805 FC Vibration Tester	125B/124B/123B ScopeMeters*	279 FC Digital Thermal Multimeter	1630–2 FC Earth Ground Clamp	368/369 FC Leakage Current Clamps
Fluke Connect™ App – iOS and Android	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TiX580 Infrared Camera	•				•	•	•	•	•	•	•	•	•												
Ti480PRO	•				•	•	•	•	•	•	•	•	•												
Infrared Camera PTi120/TiSxx Series	•				•		•	•	•		•	•													
Infrared Cameras																									
a3000 FC Digital Multimeter a3000/a3001 FC AC Current Clamp	•	•	•					•	•	•	•	•	•		•	•									
Modules	•	•	•	•	•										•	•									
902 FC True-RMS HVAC Clamp Meter	•	•	•	•	•										•	•									
378/377/376/375/374/393 FC True-RMS Clamp Meters	•	•	•	•	•										•	•									
a3002 FC AC/DC Current Clamp Module	•	•	•	•	•										•	•									
a3003/a3004 FC DC Current Clamp Modules	•	•	•	•	•										•	•									
v3000 FC AC Voltage Module	•	•	•	•	•										•	•									
v3001 FC DC Voltage Module	•	•	•	•	•										•	•									
t3000 FC Temperature Module	•	•	•	•	•										•	•									
1555/1550C Insulation Resistance Testers	•																								
1742/1746/1748 Power Quality Loggers	•				•	•	•	•	•	•	•	•	•												
1732/1734/1736/1738 Electrical	•				•	•	•	•	•	•	•	•	•												
Loggers 787B/789 ProcessMeter™	•																								
1587 FC Insulation Multimeter	•																								
1664 FC Installation Tester	•																								
805 FC Vibration Tester	•																								
125B/124B/123B ScopeMeters®																									
279 FC Thermal Multimeter	•																								
1630-2 FC Earth Ground Clamp	•																								
368/369 FC Leakage Current Clamps	•																								
ir3000 FC Wireless Connector	•					Con	nect	ada	pter	to: F	luke	787	В, 78	39, 2	89, 2	287,	1550	OC, 1	555						

# Fluke a3000 FC, a3001 FC, a3002 FC **Wireless Current Clamp Modules**





a3000 FC Wireless AC Current Clamp Module

A true RMS Current Clamp Meter that wirelessly relays measurements to other Fluke Connect™ enabled master units.

- Measure up to 400 A AC
- · Logging function: record and save up to 65 000 readings
- Use as a standalone meter or as part of a system
- Inrush function
- Weight: 0.22 kg (7.76 oz)
- Three-year warranty









# a3001 FC Wireless iFlex™ AC Current Module



Fluke a3001 FC

An iFlex  $^{\!\scriptscriptstyle\mathsf{TM}}$  AC Current Module that wirelessly relays measurements to other Fluke Connect™ enabled master-units. It allows you to measure around awkward sized conductors and access wires more easily in tight spaces.

- Measure up to 2500 A AC
- Logging function: record and save up to 65 000 readings
- Use as a standalone meter or as part of a system
- · Inrush function
- Weight: 0.22 kg (7.76 oz)
- Three-year warranty









Fluke a3002 FC

a3002 FC Wireless AC/DC Current Module

For use with the i410 or i1010 AC/DC current clamps (sold separately). Wirelessly relay measurements from the i410 or i1010 clamp accessory to other Fluke Connect™ enabled master units.

- Measure up to 400 A AC or 400 A DC with i410
- Measure up to 600 A AC or 1000 A DC with i1010
- Use as a meter alone or as part of a system
- Record and save up to 65 000 readings
- Weight: 0.25 kg (8.81 oz)
- Three-year warranty







Specifications	a3000 FC	a3001 FC	a3002 FC			
Range	0.5 A to 400.0 A AC	0.5 A to 2500 A AC	up to 600 A AC and 1000 A DC (with I1010 Current Clamp)			
Resolution		0.1 A				
Accuracy	400.0 A: 2 % ±5 digits (10 Hz to 100 Hz), 2.5 % ±5 digits (100 Hz to 500 Hz)	3 % ±5 digits (5 Hz to 500 Hz)	AC: 1.0 % + 3 DC: 0.5 % + 3 (45 Hz to 1000 Hz)			
Inrush	Max displayed reading: 999.9 A					
Crest Factor (50Hz/60Hz)	3 at 500 Å, 2.5 at 600 Å, 1.42 at 1000 Å, add 2% for C.F. > 2	3.0 at 1100 A, 2.5 at 1400 A, 1.42 at 2500 A, add 2% for C.F. > 2				
LCD w/backlight	3½ dig	its	3½ digits, 6000 counts, 4/sec update rate			
Log rate/interval	1 sec minimum/adjustable by PC or FC App					
Battery type/life	2 AA, NE	hours				
RF communications	2.4 GHZ ISM Band					
RF communication range	Open air, unobstructed: Up to 20 m (65 ft). Obstructed, sheetrock wall: Up to 6. (21 ft). Obstructed, concrete wall or steel electrical enclosure: Up to 3.5 m (11.					
Operating & Storage temp	-10° C to 50° C / -40° C to 60° C (14° F to 122° F / -40° F to 140° F)					
Temperature coefficient	Add 0.1 × (specified accuracy)/° C (<18° C or >28° C (<64° F or >82° F					
Operating humidity	0% to 90% (0° C to 35° C (32° F to 95° F)), 0% to 75% (35° C to 40° C (95° F to 104° F)), 0% to 45% (40° C to 50° C (104° F to 122° F))					
EMC	EN 61326-1:2006					
Safety compliance	IEC 61010-1, 600 V CAT III, Pollution Degree 2 IEC 61010-1, 600 V CAT IV/1000 V CAT I					
Safety rating	CAT III 600 V CAT IV 600 V, CAT III 1000 V					
Certifications	CSA, CE, FCC: T68-FBLE IC: 6627A-FBLE					
Ingress Protection rating	IP30 IP42					
Jaw Opening	64 mm (2.5 in)	25.4 cm (1 in) coil				
Size (H×W×D)	16.5 × 6.35 × 3.56 cm (6.5 × 2.5 × 1.4 in)	$16.5 \times 6.35 \times 1.4 \text{ cm}$ $(6.5 \times 2.5 \times 0.5 \text{ in})$	16.0 × 6.6 × 3.8 cm (6.3 × 2.6 × 1.5 in)			
Save and record	Ţ	Up to 65 000 readings				

#### **Recommended Accessories**





i410/i1010 (for a3002 FC)

**PC Adapter** Fluke Connect™ Wireless PC Adapter

#### **Recommended Kits**

Bundle and Save



Fluke Wireless a3000 FC **Current Clamp Kit** 



Fluke Wireless a3001 FC iFlex™ AC Current Kit

#### **Included Accessories**

iFlex™ i2500 Flexible Current Probe (a3001FC), Magnetic Hanging Strap (a3002FC).

#### **Ordering Information**

FLK-A3000 FC Wireless AC Current Clamp

Module

FLK-A3001 FC Wireless iFlex™

**AC Current** Module

FLK-A3002 FC Wireless AC/DC

**Current Module** 

FLK-A3000 FC Wireless AC Current KIT Clamp Kit

FLK-A3001 FC Wireless iFlex™

**AC Current Kit** 





# Fluke a3003 FC and a3004 FC **Wireless Current Clamp Modules**





Fluke a3003 FC









#### a3003 FC Wireless 2000 A DC **Current Clamp Module**

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.

- Measures from 10 A to 2000 A DC
- Large jaw size (64mm (2.5 in)) for measuring large, high current conductors
- · Logging function: record and save up to 65 000 readings
- Weight: 0.65 kg (1.43 lb)
- Three-year warranty





#### a3004 FC Wireless 4-20 mA DC Clamp Module

A fully functional current clamp module, the a3004 tests or troubleshoots 4-20 mA control loops used with drive systems, PLC's, or building energy management systems. Now you can troubleshoot and repair 4-20 mA loops without breaking the loop or bringing down the system and save time.

- · 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
- · Logging function: record and save up to 65 000 readings
- Perform for analysis with your PC and share the results using Fluke Cloud™ storage and ShareLive™ video call
- Weight: 0.3 kg (10.58 oz)
- · Three-year warranty

Specifications	a3003 FC	a3004 FC			
Range	1.0 A to 999.9 A DC 1000 A to 2000 A DC	0.05 mA to 20.99 mA DC 21.0 mA to 99.9 mA DC			
Resolution	0.1 A 1 A	0.01 mA 0.1 mA			
Accuracy	2% ±5 digits 2.5% ±5 digits	$0.2\% \pm 5$ digits $1.0\% \pm 5$ digits			
LCD w/backlight	3½ 0	ligits			
Log rate/interval	1 sec minimum/adjusta	ble by PC or front panel			
Battery type	2 AA, NEDA	15A, IEC LR6			
Battery life	120 hours	45 hours			
Memory	Record up to 6	5000 readings			
RF communications	2.4 GHz ISM Band				
RF communication range	Open air, unobstructed: Up to 20 m (65 ft). Obstructed, sheetrock wall: Up (21 ft). Obstructed, concrete wall or steel electrical enclosure: Up to 3.5 m				
Operating Temperature	-10° C to 50° C (14° F to 122° F)				
Storage Temperature	-40° C to 60° C (-40° F to 140° F)				
Temperature coefficient	Add 0.1 × (specified accuracy) /° C (< 18° C or > 28° C (<64° F or				
Operating humidity	90% at 35° C (95° F), 75% at 40° C (104° F), 45% at 50° C (122°				
Altitude	Operating 2000 m (6561 ft), Storage 12000 m (39,370 ft)				
EMC	IEC 61	326-1			
Safety compliance	IEC 61010-1, CAT IV 600 V, CAT III 1000 V				
Safety rating	CAT IV 600 V, CAT III 1000 V				
Certifications	cCSAus, CE, FCC: T68-FBLE IC: 6627A-FBLE				
Ingress Protection rating	IP.	42			
Jaw Opening	64 mm (2.5 in)	4.5 mm (0.18 in)			
Size (H×W×D)	16.5 × 6.35 × 3.56 cm (6.5 × 2.5 × 1.4 in)	$16.5 \times 6.35 \times 1.4 \text{ cm}$ $(6.5 \times 2.5 \times 0.5 \text{ in})$			

#### **Recommended Accessories**



**PC Adapter** Fluke Connect™ Wireless PC Adapter



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#### **Included Accessories**

2000 A Clamp Attachment (a3003), 4-20 mA Clamp Attachment (a3004), Batteries, Hanging Strap, **Quick Start Guide.** 

#### **Ordering Information**

FLK-A3003FC

Wireless DC **Current Clamp** 

Module

FLK-A3004FC

Wireless DC 4-20 mA Current Module

Contact your local distributor for price and availability. fluke.com/wtb

# Fluke v3000 FC AC and v3001 FC **DC Wireless Voltage Modules**





#### v3000 FC Wireless True-RMS AC Voltage Module

A fully functional true-RMS Voltage Module that wirelessly relays AC voltage measurements to other Fluke Connect™ enabled master units.

- True-RMS AC Voltage Module
- Measure up to 1000 V
- · Use as a standalone meter or as part of the system
- Record and save up to 65 000 readings
- Weight: 0.22 kg (7.76 oz)
- Three-year warranty

AC Voltage							
Range <sup>1</sup>	Resolution	Accuracy <sup>2,3,4</sup>					
Kange-	Resolution	45 Hz to 500 Hz	500 Hz to 1 kHz				
6.00 V	0.001 V						
60.00 V	0.01 V	1.0% + 3	2.0% + 3				
600.0 V	0.1 V	1.0% + 3	2.0% + 3				
1000 V	1 V						

- All AC voltage ranges are specified from 1% of range to 100% of range.
   Crest factor of ≤ 3 at full scale up to 500 V, decreasing linearly to crest factor ≤ 1.5 at 1000 V.
- <sup>3</sup> For nonsinusoidal waveforms, add -(2% of reading + 2% full scale) typical, for crest factor up to 3. <sup>4</sup> Do not exceed 10° V-Hz.



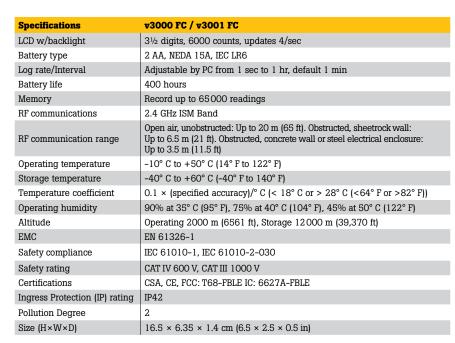
Fluke v3001 FC

# v3001 FC Wireless DC Voltage Module

A fully functional DC Voltage Module that wirelessly relays DC voltage measurements to other Fluke Connect™ enabled master units.

- Measure up to 1000 V DC
- · Use as a standalone meter or as part of the system
- · Record and save up to 65 000 readings
- Weight: 0.26 kg (9.17 oz)
- · Three-year warranty

DC Voltage						
Function	Range	Resolution	Accuracy			
mV DC	600.0 mV	0.1 mV	0.09% +3			
V DC	6.00V	0.001 V				
	60.00 V	0.01 V	0.09% +3			
	600.0 V	0.1 V				
	1000 V	1 V	0.15% + 2			



#### **Recommended Accessories**





AC87 Heavy Duty Bus Bar Clip Set

AC220



Fluke Connect™ Wireless PC Adapter

## **Recommended Kits**

Bundle & Save



#### Fluke Wireless v3000 FC **AC Voltage Kit**



Fluke Wireless v3001 FC DC Voltage Kit



Fluke Wireless v3003 FC AC-DC **Voltage Measurement Kit** 

#### **Included Accessories**

v3000 FC: TL224 Test Leads, AC285 Alligator Clips, Magnetic Hanging Strap.

v3001 FC: TL222 Test Leads, AC220 Alligator Clips, Magnetic Hanging Strap

#### **Ordering Information**

FLK-V3000FC Wireless AC Voltage Module

FLK-V3001FC Wireless DC

Voltage Module

FLK-V3000 FC Wireless AC Voltage Kit

FLK-V3001 FC Wireless DC Voltage Kit FLK-V3003 FC Wireless

AC-DC Voltage Measurement Kit



# Fluke t3000 FC Wireless K-Type Temperature Module





Fluke t3000 FC





The Fluke t3000 FC Wireless K-Type Temperature Module is one member of a family of wireless test tools that let you share test data using the Fluke Connect™ app with ShareLive™ video call.

Fluke Connect<sup>TM</sup> Wireless Test Tools put tools, not your body, near live electrical panels. It's simple. Connect the t3000 FC wireless temperature module, or any of the other Fluke Connect<sup>TM</sup> remote modules, and read the results at a safe distance on the Fluke Connect<sup>TM</sup> Wireless Multimeter or a portable PC.

Better still, 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.

#### Using t3000 FC temperature modules, you can:

- Spot temperature differences between three-phases in 1/3 the time of previous methods.
- 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 analysis on your PC and share the results using Fluke Cloud™ storage and ShareLive™ video call. View data or graphs to get input from team members
- Logging function: record up to 65000 readings
- Three-year warranty

Specifications	t3000 FC
Range	K-type: -200° C to 1000° C (Temperature probe dependent)
Resolution	0.1° C (0.2° C)
Accuracy	±[0.5 % + 0.3° C (0.54° F) counts]
Input terminals	Thermocouple, K-type mini
LCD w/backlight	3 ½ digits
Log rate/interval	1 sec minimum/adjustable by PC and FC app on smart phone
Battery type	2 AA, NEDA 15A, IEC LR6
Battery life	400 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 (65 ft). Obstructed, sheetrock wall: Up to $6.5$ m (21 ft). Obstructed, concrete wall or steel electrical enclosure Up to $3.5$ m (11.5 ft)
Operating temperature	-10° C to 50° C (14° F to 122° F)
Storage temperature	-40° C to 60° C (-40° F to 140° F)
Temperature coefficient	0.01% of reading +0.03° C per ° C (+0.54° F per °F)
Temperature scale	ITS-90
Operating humidity	90% at 35° C (95° F), 75% at 40° C (104° F), 45% at 50° C (122° F)
Altitude	Operating 2000 m (6561 ft), Storage 12000 m (39,370 ft)
EMC	IEC 61326-1
Safety compliance	IEC 61010-1, 30 V, Pollution Degree 2
Certifications	CSA, CE, FCC: T68-FBLE IC: 6627A-FBLE
Ingress Protection rating	IP42
Size (H×W×D) and Weight	16.5 × 6.35 × 1.4 cm (6.5 × 2.5 × 0.5 in); 0.22 kg (7.76 oz)





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and collaborate with others, so they
can see what you see.





#### **Included Accessories**

80PK-1 K-Type Bead Thermocouple Magnetic Hanging Strap.

#### **Ordering Information**

FLK-T3000FC

Wireless K-Type Temperature

Module

FLK-T3000 FC

Wireless FC

Temperature Kit

Contact your local distributor for price and availability. fluke.com/wtb

## Fluke Connect<sup>™</sup> Accessories





Fluke Connect™ ir3000FC Connector





#### Fluke Connect™ ir3000 FC Connector

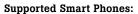
Connect your Fluke test tool with the ir3000 FC Connector and get all the benefits of the Fluke Connect™ mobile app. If you already have a Fluke 287/289 Digital Multimeter or Fluke 789 Process Tool or are considering purchasing one, add the ir3000 FC Connector so those tools can communicate with the Fluke Connect™ app.

- Fluke Connect<sup>™</sup> ir3000 FC Connector allows you to wirelessly transfer data from Fluke 287, 289 Digital Multimeters, Fluke 789 ProcessMeters™ and Fluke 1550C/1555 Insulation Resistance Testers to your smart phone
- Fits over the IR port of the Fluke tools listed above
- Immediately enables you to graph, save, and share the tool's readings with your team from your smart phone
- · Identify and diagnose problems quickly and confidently
- · Efficiently and safely capture real-time readings of the primary display from the field
- · Share results instantly with your team
- · Upgradeable by USB
- · Three-year warranty

#### **Supported Fluke Tools:**

• DMMs: 287, 289 Process Tool: 789, 787B

• Insulation: 1550C, 1555



• Android 5.0 & above

iOS 13 & above



Specifications	ir3000 FC
Battery type	Two AAA Alkaline batteries, NEDA 24A, IEC LRO3
Battery life	6 hours of continuous transmission
RF communications	2.4 GHz ISM Band
RF communication range	Open air, unobstructed: Up to 20 m (65 ft). Obstructed, sheetrock wall: Up to 6.5 m (21 ft). Obstructed, concrete wall or steel electrical enclosure: Up to 3.5 m (11.5 ft)
Temperature	Operating: -10° C to 50° C (14° F to 122° F) Storage: -20° C to 60° C (-4° F to 140° F)
Certifications	CE, FCC: T68-IRFBLE, IC: 6627A-IRFBLE
Size (H×W×L)	3.2 × 7.6 × 6.4 cm (1.25 × 3 × 2.5 in)
Compatibility*	Fluke 287, 289, 789, 1550C, 1555

<sup>\*</sup> At time of catalog print, Fluke's ir3000 FC Connector is currently compatible with the tools listed above. For updates on Fluke Connect™ test tool compatibility, go to **connect.fluke.com** 



Fluke Connect™



#### Fluke Connect™ Wireless PC Adapter

Fluke 3000 FC Wireless Test Tools show real-time measurements from remote modules up to 20 meters away on your PC. Fluke FC wireless test tools work together to help you troubleshoot faster.

The PC3000 FC Adapter and Software help you understand the information you measure. When you need to get information back to a PC, the PC3000 FC Adapter and software wirelessly collect up to 65000 sets of time stamped MIN/MAX/AVG readings from FC remote modules. the software can display live readings from up to six modules simultaneously. Allows custom logging intervals and custom names for modules.

Includes Windows SW3000 software.



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#### **Ordering Information**

FLUKE-IR3000 FC Fluke Connect™ ir3000 Connector

FC

FLK-PC3000 Fluke Connect™ Wireless PC

Adapter

FLK-FC-SD CARD

Fluke Connect™ Wireless SD Card

Contact your local distributor for price and availability. fluke.com/wtb

