

Fluke v3000 FC Wireless True-rms AC Voltage Meter

A fully functional true-rms voltage meter that wirelessly relays ac voltage measurements to other Fluke Connect™ enabled master units, listed below.

- Fluke 3000 FC DMM
- Fluke TiX560/520 Infrared Camera
- Fluke Ti200/300/400 Infrared Camera
- PC via optional pc3000 FC Adapter
- Fluke Connect Mobile app

v3000 FC main features include:

- True-rms ac voltage meter
- Measure up to 1000 V
- Use as a standalone meter or as part of the system
- Logging function for recording and saving up to 65,000 readings
- TL224 Test Leads
- AC285 Alligator Clips
- Magnetic hanging strap

Accuracy is specified as \pm ([% of reading] + [number of least significant digits]). All ranges are autoranging. Accuracy is specified from 5 % to 100 % of the range obtained by autoranging, from 18 °C to 28 °C.

AC voltage

Range ¹	Resolution	Accuracy ^{2,3,4}	
		45 Hz to 500 Hz	500 Hz to 1 kHz
6.000 V	0.001 V	1.0 % + 3	2.0 % + 3
60.00 V	0.01 V		
600.0 V	0.1 V		
1000 V	1 V		

¹ All ac voltage ranges are specified from 1 % of range to 100 % of range.

² Crest factor of ≤ 3 at full scale up to 500 V, decreasing linearly to crest factor ≤ 1.5 at 1000 V.

³ For non-sinusoidal waveforms, add $-(2 \text{ % of reading} + 2 \text{ % full scale})$ typical, for crest factor up to 3.

⁴ Do not exceed 10⁶ V-Hz.



v3000 FC general specifications

LCD w/backlight	3½ digits, 6000 counts, updates 4/sec
Battery type	2 AA, NEDA 15 A, IEC LR6
Battery life	400 Hours
Memory	Record up to 65000 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	0.1 X (specified accuracy)/°C (< 18 °C or > 28 °C)
Operating humidity	90 % at 35 °C, 45 % at 40 °C, 45 % at 50 °C
Altitude	Operating: 2,000 m Storage: 12,000 m
EMC	EN 61326-1:2013
Safety compliance	ANSI/ISA 61010-1/(82.02.01): 3rd edition CAN/CSA-C22.2 No 61010-1-12: 3rd edition UL 61010-1: 3rd edition IEC/EN 61010-1:2010
Safety rating	CAT IV 600 V, CAT III 1000 V
Certifications	cCSAus, CE, FCC: T68-FBLE IC: 6627A-FBLE
Ingress Protection (IP) rating	IP42
Pollution Degree	2
Size (HxWxD)	16.5 cm x 6.35 cm x 1.4 cm (6.5 in x 2.5 in x 1.4 in)
Weight	.22 kg (8 oz)

(Not compatible with Fluke CNX test tools)

Ordering information

Main units:

FLK-3000FC FC Wireless Digital Multimeter

Meter modules:

FLK-A3000FC FC Wireless AC Current Clamp Meter

FLK-A3001FC FC Wireless iFlex AC Current Meter

FLK-A3002FC FC Wireless AC/DC Current Meter Module

FLK-A3003FC FC Wireless DC Current Clamp Meter

FLK-A3004FC FC Wireless DC 4–20mA Current Meter

FLK-V3000FC FC Wireless AC Voltage Meter

FLK-V3001FC FC Wireless DC Voltage Meter

FLK-T3000FC FC Wireless K-Type Temperature Meter

FLK-PC3000FC PC Adapter and Software

Kits:

FLK-3000 FC Industrial Kit Fluke 3000 FC Industrial System includes multimeter, three iFlex clamp meters, one ac voltage meter, PC adapter and desktop software, accessories

FLK-3000 FC General Maintenance Kit Fluke 3000 FC General Maintenance System includes multimeter, iFlex clamp meter, ac voltage meter, dc voltage meter, PC adapter and desktop software, accessories

FLK-3000 FC HVAC Kit Fluke 3000 FC HVAC System includes multimeter, ac current clamp meter, temperature meter, PC adapter and desktop software, accessories

FLK-T3000 FC Kit Fluke t3000 FC Kit includes multimeter, temperature meter, accessories

FLK-A3000 FC Kit Fluke a3000 FC Kit includes multimeter, ac current clamp meter, accessories

FLK-A3001 FC Kit Fluke a3001 FC Kit includes multimeter, iFlex clamp meter, accessories

FLK-V3000 FC Kit Fluke v3000 FC Kit includes multimeter, ac voltage meter, accessories

FLK-V3001 FC Kit Fluke v3001 FC Kit includes multimeter, dc voltage meter, accessories

FLK-V3003 FC Kit Fluke v3003 FC Kit includes multimeter, ac voltage meter, dc voltage meter, accessories

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