

Fluke v3000 FC Wireless True-rms AC Voltage Module

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

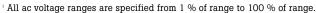
v3000 FC main features include:

- True-rms ac voltage module
- 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	200/ . 2
60.00 V	0.01 V		
600.0 V	0.1 V		2.0 % + 3
1000 V	1 V		



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

v3000 FC general specifications

LCD w/backlight	31/2 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 61326-1:2006	
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	CSA, 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)



³ For non-sinusoidial waveforms, add –(2 % of reading + 2 % full scale) typical, for crest factor up to 3.

⁴ Do not exceed 10⁶ V-Hz.