

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 ± ([% 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 % of reading + 2 % full scale) typical, for crest factor up to 3.

⁴ Do not exceed 10° 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 61326-1:2006 |
| 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)