

Fluke a3002 FC Wireless AC/DC Current Module

Designed to be used with the i410 or i1010 ac/dc current clamps (not included with module). AC/DC current module that wirelessly relays measurements from the i410 or i1010 clamp accessory 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

a3002 FC main features include:

- 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
- Magnetic hanging strap

Accuracy is specified for 1 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]). Dc ranges are autoranging. Ac accuracy is specified from 1 % to 110 % of the range. dc accuracy is specified from -110 % to 110 % of range.

AC/DC current

Function	Range	Resolution	Accuracy ¹
A dc	1000 A	0.1 A	(0.5 % + 3)
A ac	600.0 A	0.1 A	(1.0 % + 3)

¹AC accuracy is specified from 45 Hz to 1000 Hz



a3002 FC general specifications

Maximum voltage between terminal and earth ground (module)	30 V dc or ac rms
LCD w/backlight	3 ½ digits, 6000 counts, 4/sec update rate
Log rate/Interval	Adjustable by PC from 1 sec to 1 hr, default 1 min
Battery type	2 AA Alkaline batteries, NEDA 15A, IEC LR6
Battery life	400 hours minimum
Memory	Record up to 65,000 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)
Relative humidity	0 % to 90 % (0 °C to 35 °C), 0 % to 75 % (35 °C to 40 °C), 0 % to 45 % (40 °C to 50 °C)
EMC	IEC 61236-1, Portable
Safety compliance	Protected to IEC 61010-1, 600 V CAT IV / 1000 V CAT III, 3rd edition Pollution Degree 2
Certifications	CSA, CE, FCC: T68-FBLE IC: 6627A-FBLE
Ingress Protection (IP) rating	IP42
Size (HxWxD)	160 mm x 66 mm x 38 mm (6.3 in x 2.6 in x 1.5 in)
Weight	0.255 kg (9 oz)

(Not compatible with Fluke CNX test tools)