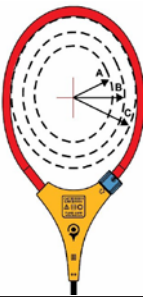


Specifications

General specifications																	
Maximum voltage between any terminal and earth ground	1000 V AC 1500 V DC																
Batteries	2 AA IEC LR6 alkaline																
Display	Dual display with backlight																
Automatic power off	20 minutes																
Electrical specifications																	
Accuracy	Accuracy is specified for 1 year after calibration, at operating temperatures of 18 °C to 28 °C, relative humidity at 0 % to 75 %. Accuracy specifications take the form of: ±([% of Reading] + [Number of Least Significant Digits]).																
Temperature coefficients	Add 0.1 x specified accuracy for each °C > 28 °C or < 18 °C																
AC current: jaw																	
Range	999.9 A																
Resolution	0.1 A																
Accuracy	2 % + 5 digits (10 Hz to 100 Hz) 2.5 % + 5 digits (100 Hz to 500 Hz)																
Crest Factor (50/60 Hz)	2.5 @ 600.0 A 3.0 @ 500.0 A 1.42 @ 999.9 A Add 2 % for C.F. >2																
AC current: flexible current probe																	
Range	999.9 A 2500 A																
Resolution	0.1 A (≤999.9 A) 1 A (≤2500 A)																
Accuracy	3 % RD + 5 digits (10 Hz to 500 Hz)																
Crest Factor (50/60Hz)	2.5 @ 1400 A 3.0 @ 1100 A 1.42 @ 2500 A Add 2 % for C.F. >2																
Position sensitivity	<table border="1"> <thead> <tr> <th>Distance from Optimum</th> <th>i2500-10 Flex</th> <th>i2500-18 Flex</th> <th>Error</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>0.5 in (12.7 mm)</td> <td>1.4 in (35.6 mm)</td> <td>± 0.5 %</td> </tr> <tr> <td>B</td> <td>0.8 in (20.3 mm)</td> <td>2.0 in (50.8 mm)</td> <td>± 1.0 %</td> </tr> <tr> <td>C</td> <td>1.4 in (35.6 mm)</td> <td>2.5 in (63.5 mm)</td> <td>± 2.0 %</td> </tr> </tbody> </table> <p>Measurement uncertainty assumes centralized primary conductor at optimum position, no external electrical or magnetic field, and within operating temperature range.</p>	Distance from Optimum	i2500-10 Flex	i2500-18 Flex	Error	A	0.5 in (12.7 mm)	1.4 in (35.6 mm)	± 0.5 %	B	0.8 in (20.3 mm)	2.0 in (50.8 mm)	± 1.0 %	C	1.4 in (35.6 mm)	2.5 in (63.5 mm)	± 2.0 %
Distance from Optimum	i2500-10 Flex	i2500-18 Flex	Error														
A	0.5 in (12.7 mm)	1.4 in (35.6 mm)	± 0.5 %														
B	0.8 in (20.3 mm)	2.0 in (50.8 mm)	± 1.0 %														
C	1.4 in (35.6 mm)	2.5 in (63.5 mm)	± 2.0 %														
																	
DC current																	
Range	999.9 A																
Resolution	0.1 A																
Accuracy	2 % RD + 5 digits ^[1] ^[1] When using the ZERO function to compensate for offsets.																
AC voltage																	
Range	600.0 V 1000 V																
Resolution	0.1 V (≤600.0 V) 1 V (≤1000 V)																
Accuracy	1 % RD + 5 digits (20 Hz to 500 Hz)																

Specifications (continued)

DC voltage	
Range	600.0 V 1500 V
Resolution	0.1 V (≤ 600.0 V) 1 V (≤ 1500 V)
Accuracy	1 % RD + 5 digits
mV dc	
Range	500.0 mV
Resolution	0.1 mV
Accuracy	1 % RD + 5 digits
Amps frequency: jaw	
Range	5.0 Hz to 500.0 Hz
Resolution	0.1 Hz
Accuracy	0.5 % RD + 5 digits
Trigger level	5 Hz to 10 Hz, ≥ 10 A 10 Hz to 100 Hz, ≥ 5 A 100 Hz to 500 Hz, ≥ 10 A
Amps frequency: flexible current probe	
Range	5.0 Hz to 500.0 Hz
Resolution	0.1 Hz
Accuracy	0.5 % RD + 5 digits
Trigger level	5 Hz to 20 Hz, ≥ 25 A 20 Hz to 100 Hz, ≥ 20 A 100 Hz to 500 Hz, ≥ 25 A
Voltage frequency	
Range	5.0 Hz to 500.0 Hz
Resolution	0.1 Hz
Accuracy	0.5 % RD + 5 digits
Trigger level	5 Hz to 20 Hz, ≥ 5 V 20 Hz to 100 Hz, ≥ 5 V 100 Hz to 500 Hz, ≥ 10 V
DC power	
Range	600.0 kVA (600.0 V dc range) 1500 kVA (1500 V dc range)
Resolution	0.1 kVA 1 kVA
Accuracy	2 % RD + 2.0 kVA 2 % RD + 20 kVA
Resistance	
Range	600.0 Ω 6000 Ω 60.00 k Ω
Resolution	0.1 Ω (≤ 600.0 Ω) 1 Ω (≤ 6000 Ω) 0.01 k Ω (≤ 60.00 k Ω)
Accuracy	1 % RD + 5 digits
Capacitance	
Range	100.0 μ F 1000 μ F
Resolution	0.1 μ F (≤ 100.0 μ F) 1 μ F (≤ 1000 μ F)
Accuracy	1 % RD + 5 digits
Inrush trigger level	5 A

Specifications (continued)

Mechanical specifications	
Size (L x W x H)	281 mm x 84 mm x 49 mm
Weight (with batteries)	520 g
Jaw opening	34 mm
Flexible current probe diameter	7.5 mm
Flexible current probe cable length (head to electronics connector)	1.8 m
Environmental specifications	
Operating temperature	-10 °C to 50 °C
Storage temperature	-40 °C to 60 °C
Operating humidity	Non-condensing (<10°C) ≤90 % RH (at 10 °C to 30 °C) ≤75 % RH (at 30 °C to 40 °C) ≤45 % RH (at 40 °C to 50 °C)
Operating altitude	2000 m
Storage altitude	12,000 m
Ingress Protection (IP) Rating	
Electromagnetic Compatibility (EMC)	
International	IEC 61326-1: Portable, Electromagnetic Environment, IEC 61326-2-2 CISPR 11: Group 1, Class A Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself. <i>Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.</i> <i>Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.</i>
Korea (KCC)	Class A equipment (Industrial Broadcast and Communications Equipment) <i>Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.</i>
USA (FCC)	47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.
Safety	
General	IEC 61010-1, Pollution Degree 2
Measurement	IEC 61010-2-032: CAT III 1500 V / CAT IV 600 V IEC 61010-2-033: CAT III 1500 V / CAT IV 600 V
Wireless radio	
Radio frequency certification	FCC ID: T68-FBLE, IC: 6627A-FBLE
Wireless radio frequency range	2400 MHz to 2483.5 MHz
Output power	<100 mW
SIMPLIFIED EU DECLARATION OF CONFORMITY Hereby, Fluke declares that the radio equipment contained in this Product is in compliance with Directive 2014/53/EU. The full text of the EU declaration is available at the following Internet address: fluke.com/en-us/declaration-of-conformity	