

Specifications: Fluke Clamp-On

Electrical Specifications		
AC Current via Jaw		
Range		600.0 A 999.9 A
Resolution		0.1 A
Accuracy		2% ± 5 digits (10-100 Hz) 2.5% ± 5 digits (100-500 Hz)
Crest Factor (50/60 Hz)		3 @ 500 A (375 and 376 only) 2.5 @ 600 A 1.42 @ 1000 A (376 only) Add 2% for C.F. > 2
AC Current via Flexible Current Probe		
Range		2500 A
Resolution		0.1 A (≤ 600 A) 1 A (≤ 2500 A)
		0.1 A (≤ 999.9 A) 1 A (≤ 2500 A)

Accuracy		3% ±5 digits (5 – 500 Hz)
Crest Factor (50/60Hz)		3.0 at 1100 A (375 and 376 only) 2.5 at 1400 A 1.42 at 2500 A Add 2% for C.F. > 2
DC Current		
Range		600.0 A 999.9 A
Resolution		0.1 A
Accuracy		2% ± 5 digits
AC Voltage		
Range		600.0 V 1000 V
Resolution		0.1 V 0.1 V (≤ 600.0 V) 1 V (≤ 1000 V)
Accuracy		1.5% ± 5 digits (20 – 500 Hz)
DC Voltage		

Range		600.0 V 1000 V
Resolution		0.1 V 0.1 V (≤ 600.0 V) 1 V (≤ 1000 V)
Accuracy		1% $\pm$ 5 digits
mV dc		
Range		500.0 mV
Resolution		0.1 mV
Accuracy		1% $\pm$ 5 digits
Frequency via Jaw		
Range		5.0 - 500.0 Hz
Resolution		0.1 Hz
Accuracy		0.5% $\pm$ 5 digits
Trigger Level		5 – 10 Hz, ≥ 10 A

		10 – 100 Hz, ≥ 5 A
		100 – 500 Hz, ≥ 10 A
Frequency via Flexible Current Probe		
Range		5.0 - 500.0 Hz
Resolution		0.1 Hz
Accuracy		0.5% $\pm$ 5 digits
Trigger Level		5 – 20 Hz, ≥ 25 A
		20 – 100 Hz, ≥ 20 A
		100 – 500 Hz, ≥ 25 A
Resistance		
Range		6000 Ω 60 k Ω
Resolution		0.1 Ω (≤ 600 Ω) 1 Ω (≤ 6000 Ω)

	0.1 Ω ($\leq 600 \Omega$) 1 Ω ($\leq 6000 \Omega$) 10 Ω ($\leq 60 \text{ k}\Omega$)
Accuracy	1% $\pm$ 5 digits
Capacitance	
Range	1000 μF
Resolution	0.1 μF ($\leq 100 \mu\text{F}$) 1 μF ($\leq 1000 \mu\text{F}$)
Accuracy	1% $\pm$ 4 digits
Mechanical Specifications	
Size (L x W x H)	246 mm x 83 mm x 43 mm
Weight	388 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 – +50°C
Storage Temp	-40°C – +60°C
Operating Humidity	Non condensing (< 10 –°C) ≤ 90% RH (at 10°C – 30°C) ≤ 75% RH (at 30°C – 40°C) ≤ 45% RH (at 40°C – 50°C)
Operating Altitude	3000 meters
Storage Altitude	12,000 meters
EMC	EN 61326-1:2006
Temperature Coefficients	Add 0.1 x specified accuracy for each degree C above 28°C or below 18°C
Safety Specifications	
Safety Compliance	CAN/CSA-C22.2 No. 61010-1-04 ANSI/UL 61010-1:2004 ANSI/ISA-61010-1 (82.02.01):2004 EN/IEC 61010-1:2001 to 1000V Measurement Category (CAT) III 600V Measurement Category (CAT) IV

	Pollution Degree 2 EN/IEC 61010-2-032:2002 EN/IEC 61010-031:2002+A1:2008
Agency Approvals	
Batteries	2 AA, NEDA 15A, IEC LR6