

Accuracy Specifications					
AC Volts (40 Hz to 500Hz) ¹	Range		Resolution		Accuracy
	6.000 V		0.001 V		
	60.00 V		0.01 V		
600.0 V		0.1 V			
DC Volts	6.000 V		0.001 V		0.5 % + 3
	60.00 V		0.01 V		
	600.0 V		0.1 V		
AC Millivolts	600.0 mV		0.1 mV		3.0 % + 3
Diode Test ²	2.000 V		0.001 V		10 %
Resistance (Ohms)	400.0 O		0.1 O		0.5 % + 3
	4.000 kO		0.001 kO		0.5 % + 2
	40.00 kO		0.01 kO		0.5 % + 2
	400.0 kO		0.1 kO		0.5 % + 2
	4.000 MO		0.001 MO		0.5 % + 2
	40.00 MO		0.01 MO		1.5 % + 3
Capacitance ³	50.00 nF		0.01 nF		2 % + 5
	500.0 nF		0.1 nF		2 % + 5
	5.000 μF		0.001 μF		5 % + 5
	50.00 μF		0.01 μF		5 % + 5
	500.0 μF		0.1 μF		5 % + 5
	1000 μF		1 μF		5 % + 5
Frequency ⁴ Hz (10 Hz - 100 kHz)	50.00 Hz		0.01 Hz		0.1 % + 3
	500.0 Hz		0.1 Hz		
	5.000 kHz		0.001 kHz		
	50.00 kHz		0.01 kHz		
	100.0 kHz		0.1 kHz		
Duty Cycle ⁴	1 % to 99 %		0.1 %		1 % typical ⁵
AC Current (40 Hz to 200 Hz)	4.000 A		0.001 A		1.5 % + 3
	10.00 A		0.01 A		
DC Current	4.000 A		0.001 A		1.5 % + 3
	10.00 A		0.01 A		
<ol style="list-style-type: none"> All AC, Hz, and duty cycle are specified from 1 % to 100 % of range. Inputs below 1 % of range are not specified. Typically, open circuit test voltage is 2.0 V and short circuit current is <0.6 mA. Specifications do not include errors due to test lead capacitance and capacitance floor (may be up to 1.5 nF in the 50 nF range). All AC, Hz, and duty cycle are specified from 1 % to 100 % of range. Inputs below 1 % of range are not specified. Typical means when the frequency is at 50 Hz or 60 Hz and the duty cycle is between 10 % and 90 % 					
Function	Overload Protection	Input Impedance (Nominal)	Common Mode Rejection Ratio	Normal Mode Rejection Ratio	
AC Volts	600 V ¹	>10 MO <100 pF ²	>60 dB at dc, 50 Hz or 60 Hz	-	
AC Millivolts	600 mV	>1M, <100 pF	>80 dB at 50 Hz or 60 Hz	-	
DC Volts	600 V ¹	>10 MO <100 pF	>100 dB at dc,	>60 dB at 50 Hz	

			50 Hz or 60 Hz	or 60 Hz
1. 6 x 105 V Hz Max 2. For mV (AC), input impedance is approximately 1 MO.				
General Specifications				
Maximum Voltage Between any Terminal and Earth Ground	600 V			
Display (LCD)	6000 counts, updates 3/sec			
Battery Type	2 AAA, NEDA 24A, IEC LR03			
Battery Life	200 hours minimum			
Temperature				
Operating	0 °C to 40 °C			
Storage	-30 °C to 60 °C			
Relative Humidity				
Operating Humidity	Non-condensing when <10°C =90 % at 10 °C to 30 °C; =75 % at 30 °C to 40 °C			
Operating Humidity, 40 MO Range	=80 % at 10 °C to 30 °C; =70 % at 30 °C to 40 °C			
Altitude				
Operating	2000 m			
Storage	12,000 m			
Temperature Coefficient	0.1 X (specified accuracy) /°C (<18 °C or >28 °C)			
Fuse Protection for Current Inputs	11A, 1000V Fast Fuse, Fluke specified part only			
Size (HxWxL)	142 mm x 69 mm x 28mm			
Weight	200 g			
IP Rating	IEC 60529: IP 40			
Safety	IEC 61010-1: 600 V CAT III, Pollution Degree 2			
Electromagnetic Environment	IEC 61326-1: Portable			
Electromagnetic Compatibility	Applies to use the Korea only. Class A Equipment (Industrial Broadcasting and Communication Equipment) ¹			
¹ This product meets requirements for industrial (Class A) electromagnetic wave equipment and seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.				

Fluke i400E AC Current Clamp

Electrical specifications	
AC current range	1 A to 400 A
Output signal 1	mV/A ac
Accuracy	2.0 % ± 5 digits (45 Hz to 65 Hz) 2.5 % ± 5 digits (65 Hz to 400 Hz)
Typical bandwidth	5 Hz to 20 kHz

Working voltage	600 V ac rms, in compliance with IEC 61010-1 and IEC 61010-2-030
Load impedance	1 A to 400 A
Maximum non-destructive current	600 A
Jaw inner diameter	30 mm
Maximum wire size	600 MCM
Standard plugs	19.04 mm dual banana plugs
Safety specifications	
Category rating	IEC 61010-1 and IEC 61010-2-030/IEC 61010-2-031 and IEC 61010-2-032: 600 V CAT III Pollution Degree 2
Electromagnetic environment	IEC 61326-1: Portable
General Specifications	
Output cable length	1 m
Operating temperature	-10 °C to +50 °C
Storage temperature	- 30 °C to +60 °C
Relative humidity	=90 % at 10 °C to 530 °C; =75 % at 30 °C to 540 °C; =45 % at 40 °C to 50 °C
IP rating	IEC 60529: IP30 when jaw closed
Temperature coefficients	Add 0.1 x specified accuracy for each °C above 28°C or below 18 °C.
Operating altitude	2,000 meters
Storage altitude	12,000 meters
Vibration requirements	MIL-PRF-28800F, Class 2
Drop test requirements	-10 °C, 1m, 6 sides, oak wood
Jaw impact test requirements	Follow EN/IEC 61010-2-032:2012
EMI, RFI, EMC	IEC/EN 61326-1
Dimensions (hxwxh)	146 mm x 62 mm x 34 mm
Weight	150 g