Fluke 355 and 353 True-rms 2000 A Clamp Meters

Features

- Reliably handle a wide range of high-current applications with 2000 A ac + dc true-rms, 1400 A ac, and 2000 A dc
- The large 58 mm (2.3 in) jaw capacity is suitable for large or multiple conductors
- CAT IV 600 V, CAT III 1000 V rating for added user protection
- In-rush current measurement captures 'power-on' surge current with accuracy and repeatability
- High voltage measurement of 1000 V ac + dc true-rms, 600 V ac, and 1000 V dc allows the user to perform multiple tests with only one tool (355 only)
- Resistance to 400K ohms coupled with a continuity beeper provide the convenience of a multimeter in a clamp meter. (355 only)
- Accurately measure frequency up to 1 kHz for optimum troubleshooting
- Quickly analyze readings using the MIN, MAX, and AVG functions
- A large backlit display allows for easy visibility in low-lit areas
- Use the display hold feature to capture readings even when the display cannot be viewed
- Use the low-pass filter to smooth out noisy loads and stabilize readings

Specifications

Electrical specifications		
Current measurement dc and ac 10 Hz to 100 Hz	**Range : 40 A**	Resolution: 10 mA Accuracy, A: 1.5 % rdg + 15 digits Trigger Level for Inrush: 0.50 A Trigger Level for Hz Filter OFF: 2.50 A Trigger Level for Hz Filter ON: 0.50 A
	Range : 400 A	Resolution: 100 mA Accuracy, A: 1.5 % rdg + 5 digits Trigger Level for Inrush: 5.0 A Trigger Level for Hz Filter OFF: 2.5 A Trigger Level for Hz Filter ON: 2.5 A
	Range : 2000 A; 1400 ac rms	Resolution: 1 A Accuracy, A: 1.5 % rdg + 5 digits Trigger Level for Inrush: 5 A Trigger Level for Hz Filter OFF: 8 A Trigger Level for Hz Filter ON: 8 A
Crest Factor (50/60 Hz)	**Range : 40 A**	Crest Factor* : 2 @ 33 A, 2.4 @ 27 A
	Range : 400 A	Crest Factor* : 2 @ 330 A, 2.4 @ 270 A
	Range : 2000 A; 1400 ac rms	Crest Factor* : 2 @ 1000 A, 2.4 @ 833 A
Current measurement ac 100.1 Hz to 1 kHz	**Range : 40 A**	Resolution: 10 mA Accuracy > 10 A : 3.5 % rdg + 15 digits Trigger Level for Inrush: 0.50 A Trigger Level for Hz Filter OFF : 2.50 A Trigger Level for Hz Filter ON : 0.50 A
	Range : 400 A	Resolution: 100 mA Accuracy > 10 A : 3.5 % rdg + 5 digits Trigger Level for Inrush: 5.0 A Trigger Level for Hz Filter OFF : 2.5 A Trigger Level for Hz Filter ON : 2.5 A
	Range : 2000 A; 1400 ac rms	Resolution: 1 A Accuracy > 10 A : 3.5 % rdg + 5 digits Trigger Level for Inrush: 5 A Trigger Level for Hz Filter OFF : 8 A Trigger Level for Hz Filter ON : 8 A
Voltage measurement (355 only) dc and ac 10 Hz to 100 Hz (600 V and 1000 V ranges have 10 % over range to 660 V and 1100 V respectively.)	**Range : 4 V**	Resolution: 1 mV Accuracy: 1 % rdg + 10 digits Trigger Level for Hz Filter OFF: 0.050 V Trigger Level for Hz Filter ON: 0.050 V
	Range : 40 V	Resolution: 10 mV Accuracy: 1 % rdg + 5 digits Trigger Level for Hz Filter OFF: 0.25 V Trigger Level for Hz Filter ON: 0.25 V

	Range : 400 V	Resolution: 100 mV Accuracy: 1 % rdg + 5 digits Trigger Level for Hz Filter OFF: 6 V Trigger Level for Hz Filter ON: 6 V
	Range : 600 V ac rms	Resolution: 1 V Accuracy: 1 % rdg + 5 digits Trigger Level for Hz Filter OFF: 6 V Trigger Level for Hz Filter ON: 6 V
	Range : 1000 V dc	Resolution: 1 V Accuracy: 1 % rdg + 5 digits
Voltage measurement (355 only) ac 100.1 Hz to 1 kHz (600 V and 1000 V ranges have 10 % over range to 660 V and 1100 V respectively.)	**Range: 4 V**	Resolution: 1 mV Accuracy: 3 % rdg + 10 digits Trigger Level for Hz Filter OFF: 0.050 V Trigger Level for Hz Filter ON: 0.050 V
	Range: 40 V	Resolution: 10 mV Accuracy: 3 % rdg + 5 digits Trigger Level for Hz Filter OFF: 0.25 V Trigger Level for Hz Filter ON: 0.25 V
	Range: 400 V	Resolution: 100 mV Accuracy: 3 % rdg + 5 digits Trigger Level for Hz Filter OFF: 6 V Trigger Level for Hz Filter ON: 6 V
	Range: 600 V ac rms	Resolution: 1 V Accuracy: 3 % rdg + 5 digits Trigger Level for Hz Filter OFF: 6 V Trigger Level for Hz Filter ON: 6 V
Ohms measurement (355 only)	**Range: 400 Ω**	Resolution: 0.1 Ω Accuracy: 1.5 % + 5 digits
	Range: 4 kΩ	Resolution: 1 Ω Accuracy: 1.5 % + 5 digits
	Range: 40 kΩ	Resolution: 10 Ω Accuracy: 1.5 % + 5 digits
	Range: 400 kΩ	Resolution: 100 Ω Accuracy: 1.5 % + 5 digits
Continuity beeper (355 only)	On at ≤ 30 Ω Off at ≥ 100 Ω	
Frequency measurement	**Measurement range**	5.0 Hz to 1 kHz
	Resolution	0.1 Hz (15 Hz to 399.9 Hz); 1 Hz (400 Hz to 1 kHz)
	Accuracy – 5.0 Hz to 100 Hz	0.2 % + 2 counts
	Accuracy – 100.1 Hz to 1 kHz	0.5 % + 5 counts
	Trigger level	Refer to current and voltage tables

*Add 2 % to error spec for CF > 2

General specifications	
Batteries	Six 1.5 V AA NEDA 15 A or IEC LR6
Battery life (with typical usage, backlight off)	100 hours
Test leads	Rated to 1000 V
Weight	.814 kg (1.8 lb)
Jaw size	58 mm (2.28 in)
Dimensions (LxWxD)	300 mm x 98 mm x 52 mm (12 in x 3.75 in x 2 in)
Safety rating	IEC 61010-2-032, 600 V CAT IV, 1000 V CAT III

Environmental specifications	
Operating temperature	32 °F to + 122 °F (0 °C to +50 °C)
Storage temperature	-4 °F to 140 °F (-20 °C to +60 °C)
Operating humidity	0 to 95 % (non-condensing)
Operating altitude	2000 m
Storage altitude	10,000 m

IP rating	42 (indoor use only)
Drop test requirements	1 m
EMI, RFI, EMC	FCC part 15, IEC/EN 61326-1:1997 class B, IEC/EN 61326:1997 3V/m, performance criteria B, EN61325
Temperature coefficients	**Current:** 0.1 % of reading per °C outside 22 °C to 24 °C **Voltage:** 0.1 % of reading per °C outside 22 °C to 24 °C

Fluke 355	AC/DC TRMS CLAMP METER,2000A Includes: • 355 clamp meter • C43 Soft carrying case • 6 AA batteries • TL224 1.5 m silicone rubber test leads • TP2 Test Probes • AC285 Alligator Clips • User manual