



For information about selecting multimeters, see page 513.

52JJ18



45MU54



52ZK83



Clamp-Jaw Clamp Meters

Portable handheld meters have iron jaws sheathed in plastic that clamp around conductors, wires, and cables to measure electrical current. Measurements are clearly visible on a digital display. Instruments work without physically touching the circuit and do not require the power supply to be disconnected before measuring currents. Commonly used for testing industrial and electrical equipment or troubleshooting and diagnosing in general repair and maintenance applications. All meters include batteries.

AC Response Calculation	Max. Current (AC)	Max. Current (DC)	Max. Voltage (AC/DC)	Instrument Counts	AC Current	AC Voltage	Capacitance	DC Current	DC Voltage	Diode Test	Frequency	Resistance	Temp. Type	Brand	Calibration Certificate Not Included Item No.	Calibration Certificate Included Item No.	
CAT II 600V, CAT III 300V																	
Average	60 A	—	—	—	•	•								Amprobe	2AUZ7	—	
TRMS	400 A	200 A	—	2000	•	•		•						Extech	2HPG3	—	
	600 A	600 A	600 V	4000	•	•		•	•	•	•	•		Amprobe	1WKR4	—	
	1000 A	60 A	600 V	6000	•	•	•	•	•	•	•	•		Extech	40JL47	—	
CAT II 1000V, CAT III 600V																	
TRMS	600 A	600 A	1,000 V	6000	•	•		•	•	•	•	•	K	Extech	40JK35	404K09	
CAT III 300V																	
Average	40 A	40 A	—	4000	•	•		•						Amprobe	2ATV3	—	
TRMS	30 A	40 A	400 V	4000	•	•		•	•					Extech	8EUV3	20HL18	
	200 A	200 A	400 V	4000	•	•		•	•			•		Extech	4FB73	—	
CAT III 600V																	
Average	600 A	—	600 V	4000	•	•		•	•	•				K	Amprobe	3DNV9	—
	800 A	1,000 A	600 V	4000	•	•	•	•	•	•				Amprobe	2AUZ8	—	
	1000 A	—	600 V	4000	•	•		•	•	•				Amprobe	2ATU8	—	
TRMS	100 A	—	600 V	4000	•	•		•	•	•				IR	Extech	1GUH2	1GUH9
	300 A	80 A	600 V	4000	•	•		•	•	•				Extech	8G782	—	
	—	300 A	—	6000	•	•		•	•	•				Amprobe	38RX02	—	
	—	—	—	6000	•	•		•	•	•				K	Fluke	31FN14	—
	—	—	600 V	2000	•	•		•	•	•				K	Klein Tools	61HJ66	—
	400 A	—	600 V	4000	•	•	•	•	•	•	•			Extech	453A46	453A47	
	—	—	600 V	4000	•	•		•	•	•	•			K	Amprobe	6NZF3	—
	—	400 A	600 V	40000	•	•		•	•	•	•			K	Extech	2HPG1	—
	—	400 A	600 V	40000	•	•		•	•	•	•			IR, K	Extech	2HPF8	6RGL7
	—	—	600 V	4000	•	•		•	•	•	•			K	Extech	404K05	404K06
600 A	—	600 V	4000	•	•		•	•	•	•				Amprobe	2ATU9	—	
	—	600 V	6000	•	•		•	•	•	•				Amprobe	34NK41	—	
	2,000 uA	600 V	4000	•	•		•	•	•	•			K	Amprobe	52JJ18	—	
	600 A	600 V	6000	•	•		•	•	•	•				Amprobe	34NK42	—	
	600 A	600 V	6000	•	•		•	•	•	•				K	Amprobe	34NK44	—
800 A	1,000 A	600 V	4000	•	•		•	•	•	•				Amprobe	2AUZ9	—	
	1,000 A	600 V	4000	•	•		•	•	•	•				IR, K	Extech	1GUH4	1GUK2
1000 A	400 A	600 V	4000	•	•		•	•	•				K	Extech	627L40	—	
CAT III 600V, CAT IV 300V																	
TRMS	60 A	—	—	—	•	•								Fluke	52JJ14	—	
	—	—	—	—	•	•								Fluke	52JJ15	—	
	—	—	600 V	6000	•	•	•							K	Fluke	20E891	—
	400 A	—	600 V	6000	•	•		•	•	•				Fluke	20E890	—	
	—	400 A	600 V	6000	•	•		•	•	•				K	Fluke	20E892	—
600 A	—	600 V	6000	•	•		•	•	•					Fluke	6FXH7	—	
—	200 uA	600 V	6000	•	•		•	•	•					K	Fluke	48RH39	—
CAT III 1000V																	
TRMS	200 A	—	1,000 V	1000	•	•		•	•	•				Fluke	54XM09	—	
CAT III 1000V, CAT IV 600V																	
TRMS	1,000 A	1,000 V	4000	•	•		•	•	•	•				IR, K	Extech	4GGD9	4GGE1
	600 A	1,000 A	1,000 V	6000	•	•		•	•	•				K	Amprobe	34NK45	—
	—	600 A	1,000 V	6000	•	•		•	•	•				K	Fluke	45MU56	—
	—	600 A	1,000 V	6000	•	•		•	•	•				K	Fluke	45MU55	—
	999.9 A	999.9 A	1,000 V	6000	•	•		•	•	•				K	Fluke	6FXH3	—
	—	—	1,000 V	6600	•	•		•	•	•				K	Amprobe	4FFJ9	—
	—	1,000 A	1,000 V	6000	•	•		•	•	•				K	Fluke	60UN23	—
	1000 A	1,000 A	1,000 V	6000	•	•		•	•	•				K	Fluke	60UN25	—
	—	1,000 A	1,000 V	6600	•	•		•	•	•					Amprobe	4FFK1	—
	—	1,400 A	—	4000	•	•		•	•	•					Fluke	2FTY8	—
2500 A	—	—	6000	•	•		•	•	•				K	Fluke	31FN16	—	
—	999.9 A	1,000 V	6000	•	•		•	•	•				K	Fluke	45MU54	—	
CAT III 1500V, CAT IV 600V																	
TRMS	1000 A	1,000 A	1,500 V	—	•	•		•	•	•				K	Fluke	783AH0	—
CAT IV 600V																	
TRMS	600 A	—	1,000 V	6000	•	•		•	•	•				K	Klein Tools	52ZK82	—
	—	600 A	1,000 V	6000	•	•		•	•	•				K	Klein Tools	52ZK83	—
	1400 A	2,000 A	1,000 V	4000	•	•		•	•	•					Fluke	2FTY9	—
	1500 A	1,500 A	1,000 V	4000/40000	•	•		•	•	•				K	Extech	5LUT4	5LUT5
2000 A	2,000 A	1,000 V	5000	•	•		•	•	•					Extech	2HPF7	6RGJ8	
Not Rated																	
Average	100 mA	100 mA	—	2400	•	•		•	•	•				K	Fluke	4FFG4	—
TRMS	Not Applicable	99.9 mA	—	6000	•	•		•	•	•				K	Fluke	40KJ08	—
	100 mA	100 mA	30 V	2400	•	•		•	•	•				K	Fluke	4FFG6	4FFG7