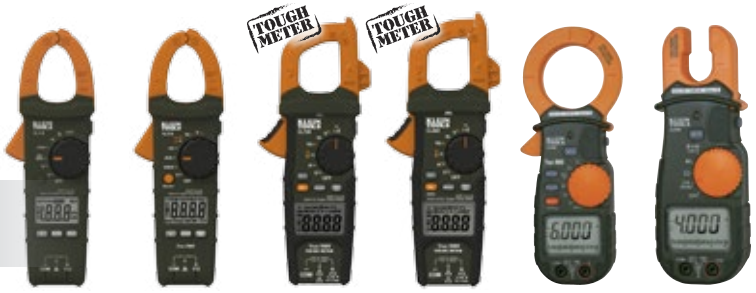
KLEIN TOOLS®

For Professionals… Since 1857™

DIGITAL CLAMP METERS



If you require, test or measure…	FEATURES	CL110	CL310	CL700	CL800	CL2500	CL3200
	Durability	CAT III 1 m	CAT III 1 m	CAT IV 2 m	CAT IV 2 m	CAT IV 1 m	CAT IV 2 m
…Job site durability - Surviving a drop or a fall	Drop Protection	1 m	1 m	2 m	2 m	1 m	2 m
…Job site durability - Resistance to dust and water	Ingress Protection	—	—	IP40	IP40	IP42	—
…Job site safety - CAT III for electrical panels, CAT IV for outside wiring	Safety	CAT III 600V	CAT III 600V	CAT IV 600V	CAT IV 600V	CAT IV 600V	CAT IV 600V
…AC outlets, electrical panels, or electrical devices	AC Voltage (Volts)	600V	600V	1000V	1000V	750V	750V
…DC motors, or automotive/marine batteries	DC Voltage (Volts)	600V	600V	1000V	1000V	1000V	1000V
…Safe current measurements in electrical panels or wires drawn by large appliances	AC Current (Amps)	400A	400A	600A	600A	1000A	200A
…Current drawn by DC motors	DC Current (Amps)	—	—	—	600A	1000A	—
…Resistors to ensure that specifications are correct	Ohms (Resistance)	20MΩ	40MΩ	60MΩ	60MΩ	60MΩ	40MΩ
…Low AC voltage	AC Millivolts	●	—	—	—	●	—
…Troubleshooting electronics	DC Millivolts	●	●	●	●	●	—
…Electrical properties of circuits with non-linear loads or distorted non-sinusoidal waveforms	True RMS	—	●	●	●	●	—
…Circuit continuity or testing for open or shorted wiring faults	Audible Continuity	●	●	●	●	●	●
…Ability to work in poorly-lit areas	Backlight	●	●	●	●	●	●
…Temperature of motors, devices, air vents, etc.	Temperature	—	-40° – 1000°C (-40° – 1832°F)	-26° – 538°C (-14° – 1000°F)	-26° – 538°C (-14° – 1000°F)	—	—
…Identify and eliminate stray or ghost voltages	Low Impedance	—	—	●	●	—	●
…Quick, non-contact AC Voltage test to determine if wires are energized	Non-Contact Voltage Testing	—	—	●	●	●	●
…Improved efficiency and speed when making measurements	Auto Ranging	●	●	●	●	●	●
…Forcing the meter to measure with a particular resolution	Range Hold	●	●	●	●	●	—
…Saving the value to the display following the measurement	Data Hold	●	●	●	●	●	●
…Troubleshoot malfunctioning diodes	Diode Test	—	●	●	●	●	—
…Capacitors (such as motor run or start capacitors)	Capacitance Test	—	4000 µF	6000 µF	6000 µF	6000 µF	—
…AC supply or troubleshoot variable frequency drives	Frequency / Duty Cycle	—	10Hz – 1MHz	1Hz – 500 KHz	1Hz – 500 KHz	499.9 KHz	—
…Understand the variability from average of an electrical property being measured	Max / Min	MAX only	●	●	●	●	—
…Illuminating a poorly lit workspace to facilitate measurement	Worklight	—	—	—	●	●	●
…Conserve battery life	Auto-Power Off	●	●	●	●	●	●
…Specific measurement resolution in lower ranges	LCD Display Count	2000	4000	6000	6000	6000	4000

Specifications subject to change.

P.O. Box 126, Lonsdale SA 5160 • T: +61 8 8186 0000 • F: +61 8 8186 2222
www.kleintools.com.au

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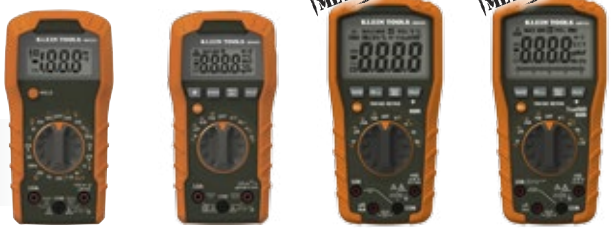
DIGITAL MULTIMETERS



If you require, test or measure…	FEATURES	MM300	MM400	MM600	MM700
	Durability	CAT III 1 m	CAT III 1 m	CAT IV 2 m	CAT IV 2 m
…Job site durability - Surviving a drop or a fall	Drop Protection	1 m	1 m	2 m	2 m
…Job site durability - Resistance to dust and water	Ingress Protection	—	—	IP42	IP42
…Job site safety - CAT III for electrical panels, CAT IV for outside wiring	Safety	CAT III 600V	CAT III 600V	CAT IV 600V	CAT IV 600V
…AC outlets, electrical panels, or electrical devices	AC Voltage (Volts)	600V	600V	1000V	1000V
…DC motors, or automotive/marine batteries	DC Voltage (Volts)	600V	600V	1000V	1000V
…Current measurements in electrical panels or wires drawn by appliances	AC Current (Amps)	—	10A	10A	10A
…Current drawn by DC motors	DC Current (Amps)	10A	10A	10A	10A
…Resistors to ensure that specifications are correct	Ohms (Resistance)	2MΩ	40MΩ	40MΩ	40MΩ
…Troubleshooting electronics	DC Millivolts	●	●	●	●
…PCB/PWB and LED electronics	AC Milliamps	—	●	●	●
…Industrial automation signals	DC Milliamps	●	●	●	●
…Electronic sensors	AC Microamps	—	●	●	●
…Flame sensors	DC Microamps	●	●	●	●
…Electrical properties of circuits with non-linear loads or distorted non-sinusoidal waveforms	True RMS	—	—	—	●
…Circuit continuity or testing for open or shorted wiring faults	Audible Continuity	●	●	●	●
…Ability to work in poorly-lit areas	Backlight	—	●	●	●
…Temperature of motors, devices, air vents, etc.	Temperature	—	-18° – 538°C (0° – 1000°F)	-18° – 538°C (0° – 1000°F)	-18° – 816°C (0° – 1500°F)
…Identify and eliminate stray or ghost voltages	Low Impedance	—	—	—	●
…Improved efficiency and speed when making measurements	Auto Ranging	—	●	●	●
…Forcing the meter to measure with a particular resolution	Range Hold	—	●	●	●
…Saving the value to the display following the measurement	Data Hold	●	●	●	●
…Troubleshoot malfunctioning diodes	Diode Test	●	●	●	●
…Capacitors (such as motor run or start capacitors)	Capacitance Test	—	200 µF	1000 µF	4000 µF
…AC supply or troubleshoot variable frequency drives	Frequency / Duty Cycle	—	1Hz – 50 KHz	1Hz – 500 KHz	1Hz – 500 KHz
…Understand the variability from average of an electrical property being measured	Max / Min	—	●	●	●
…Reminders to check that leads are in the appropriate jacks	Lead Warning	—	—	●	●
…Pictorial view of a fast changing event, comparable to an analog display	Bar Graph	—	—	—	●
…Conserve battery life	Auto-Power Off	—	●	●	●
…Test 1.5 and 9V batteries	Battery Test	●	—	—	—
…Specific measurement resolution in lower ranges	LCD Display Count	2000	4000	4000	4000

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MUMME TOOLS