

SELECTION GUIDE

KLEIN TOOLS®

Professional Series Multimeters

Digital Multimeters



If you measure...

		MM 100	MM 200	MM 1000	MM 2000
DC motors or auto/marine batteries	DC Voltage \overline{V}	600V	600V	1000V	1000V
AC outlets or electrical panels	AC Voltage \overline{V}	600V	600V	1000V	1000V
Current of battery operated devices	DC Current \overline{A}	10A	10A	10A	10A
Current of small appliances or power adapters	AC Current \overline{A}		10A	10A	10A
Checking wires or fuses	Audible Continuity di	●	●	●	●
Circuit continuity or specified resistance	Resistance Ω	●	●	●	●
Test Household batteries	Battery Test	●			
Need to capture the measured reading	Display Hold	●	●	●	●
Diode malfunctions	Diode Test $\rightarrow $	●	●	●	●
Verify your meter has good batteries	Low Battery	●	●	●	●
In dark or bright sunlight workspaces	Back Light		●	●	●
Conserves battery life	Auto Power Off		●	●	●
Increased measurement speed & accuracy	Auto Ranging		●	●	●
Air vents or motor temperatures	Temperature °F/°C $^{\circ}\text{F}/^{\circ}\text{C}$		●	●	●
Flame sensors	uA Setting		●	●	●
Motor run or start capacitors	Capacitance \overline{C}		●	●	●
Variable speed drives & AC supply power	Frequency/Duty Cycle $\text{Hz}/\%$		●	●	●
Lock in a display resolution	Range Hold			●	●
Motor in-rush or measurement peaks	Max/Min			●	●
Difference between two measurements	Relative			●	●
Rapid changing measurements	Bar Graph			●	●
Non-linear loads or distorted waveforms	True RMS $\overline{\text{TRMS}}$				●
Reduce ghost voltages	Low Impedance LOW Z				●

Safety Ratings

AC outlets over 30 feet from electrical panels	Cat II Safety	●	●	●	●
Voltage in electrical panels or outlets within 30 feet	Cat III Safety	●	●	●	●
Outside wiring or electric meters	Cat IV Safety			●	●