

# SELECTION GUIDE



## 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 $\text{di}$	●	●	●	●
Circuit continuity or specified resistance	Resistance $\Omega$	●	●	●	●
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 $^{\circ}F/^{\circ}C$ $^{\circ}F/^{\circ}C$		●	●	●
Flame sensors	$\mu A$ Setting		●	●	●
Motor run or start capacitors	Capacitance $\overline{C}$		●	●	●
Variable speed drives & AC supply power	Frequency/Duty Cycle $Hz/\%$		●	●	●
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 $\overline{TRMS}$				●
Reduce ghost voltages	Low Impedance $\overline{LOW Z}$				●

#### 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			●	●

# SELECTION GUIDE

## KLEIN TOOLS®

## Professional Series Clamp Meters

### Digital Clamp Meters



If you measure...

			CL 100	CL 200	CL 1000	CL 2000	CL 3000	CL 3100
In electrical panels or large appliances	AC Current	$\tilde{A}$	600A	600A	400A	400A	200A	200A
DC motors or auto cranking amps	DC Current	$\overline{A}$				400A		
AC outlets or electrical panels	AC Voltage	$\tilde{V}$	600V	600V	750V	750V	750V	750V
DC motors or auto/marine batteries	DC Voltage	$\overline{V}$	600V	600V	1000V	1000V	1000V	1000V
Checking wires or fuses	Audible Continuity	$\text{oi})$	●	●	●	●	●	●
Circuit continuity or specified resistance	Resistance	$\Omega$	●	●	●	●	●	●
Need to capture the measured reading	Data Hold		●	●	●	●	●	
Increased measurement speed & accuracy	Auto Ranging		●	●	●	●	●	Auto Oper
Verify your meter has good batteries	Low Battery		●	●	●	●	●	●
Conserves battery life	Auto Power Off		●	●	●	●	●	●
Diode malfunctions	Diode Test	$\rightarrow $	●	●	●	●	●	●
In dark or bright sunlight workspaces	Back Light		●	●	●	●	●	●
Wiring in low light areas	Work/Clamp Light		●	●	●	●		●
Variable speed drives & AC supply power	Frequency/Duty Cycle	Hz/%		●	●	●	●	
Motor run or start capacitors	Capacitance	$\overline{\mu F}$		●	●	●	●	
Free hands while making measurements	Magnetic Mount				●	●		●
Convenient test lead storage	Lead Storage				●	●	●	●
Rapid changing measurements	Bar Graph				●	●		●
Quick check of live wires	Non-Contact Voltage	NCV			●	●		
Motor in-rush or measurement peaks	Max/Min		Max		●	●		●
Flame sensors	$\mu A$ Setting				●	●		
Difference between two measurements	Relative					●	●	
Non-linear loads or distorted waveforms	TRMS	TRMS				●		
Air vents or motor temperatures	Temperature	$^{\circ}F/^{\circ}C$		●				

#### 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						●