

CAT IV Professional AC/DC Clamp Meter



Technical Datasheet

K2046R

The K2046R digital clamp-meter is a True RMS sensing, auto-ranging multimeter for measuring current, voltage, capacitance, frequency, and resistance in electrical testing applications. It has a clamp that measures ACA and DCA to 600A. The Red LED indicates the presence of AC voltage, this NCV is a safety function for the user. This meter is of the same family as the K2056R being one of the first meters designed to meet international safety standard IEC 61010-1 CAT IV 600V to meet the demands for measuring voltage and current spikes. Ideally suited for power distribution companies, power utilities and maintenance fields.



Features Include:

- Measures AC and DC Current to 600A
- Measures AC and DC Voltage to 600V
- Resolution 0,1A
- Capacitance to 4mF
- Temperature measurement in °C or °F
- Continuity Buzzer and Diode Test
- Relative Mode
- Peak Hold
- Data Hold
- MIN/MAX recording mode
- 6039 Count LCD with 61 segment bargraph
- Conductor size Ø33mm
- 600V Input protection
- Auto Power Off
- Overmould rubber housing
- Backlight for dimly lit areas
- Double Moulded housing provides comfortable palm grip

Function	Range	Accuracy
Jaw size	33mm	
DC Current	0A - 600A	±(1.5% +5)
AC Current	0A - 600A	±(2.0% +5)
DC Voltage	600mV - 600V	±(1.0% +3)
AC Voltage	6v - 600V	±(1.5% +4)
Resistance	600Ω - 60MΩ	±(1.5% +5)
Frequency	1Hz - 10kHz	±(0.5% +5)
Capacitance	40nF - 4000μF	±(2.5% +20)
Temperature	-50 to 700°C	±(5.0°C +3)
Duty Cycle	0.1 TO 99.9%	±(2.5% +5)
Size (L x W x D)	243 x 77 x 36mm	
Weight	300g	



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