



## MEASURING LIMITS

AC Amperes	: 0.1A to 1000A	Capacitance	: 0.001nF to 40mF
DC Voltage	: 0.1mV to 600V	Frequency	: 0.001 kHz to 4kHz
AC Voltage	: 0.1mV to 600V	Temperature	: -40°C to 1000°C
Resistance	: 0.1W to 40MΩ		-40°F to 1832°F

## OVERVIEW

- True RMS measurement of AC Current and AC Voltage
- Large 4000 count 3-3/4 Digits LCD display with bargraph and a bright white LED backlight
- Wide measuring range from 0.01A AC up to 1000A AC
- Measures AC and DC Voltage up to 600 volts
- Measures resistance from 0.01Ω up to 40MΩ
- Capacitance measurements up to 40mF
- Temperature measurement from -40°C to +1000°C and -40°F to +1832°F
- Designed to the international safety standard IEC61010 CAT III 600V/CAT II 1000V, Pollution degree 2
- Auto Power Off after approximately 20 minutes to conserve battery life.
- Continuity Buzzer and Diode Test
- Frequency measurement up to 4kHz
- Peak Hold to record the minimum and maximum readings for current and voltage.
- Data Hold switch to freeze reading on display

## SPECIFICATIONS

Clamp Size	30mm Opening Approx.
Diode Test	Test Current of 0.3mA typical Open circuit voltage 1.5V DC
Continuity Check	Threshold <35Ω; Test current <1mA
Low Battery Indication	"" is displayed
Overrange Indication	"OL" is displayed
Measurement Rate	2 per second, nominal
Input Impedance	10MΩ (VDC and VAC)
Display	4000 count LCD, 3-3/4 Digits
AC Current	50/60Hz (AAC)
AC Voltage Bandwidth	50/60Hz (VAC)
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-30°C to 60°C (22°F to 140°F)
Relative Humidity	Up to 85%
Over Voltage	Category III 600V
Battery	One PP3 "9V" Battery
Auto Power Off	Approx 20 minutes
dimensions	229 x 80 x 49mm
Weight	303g

### AC Current (T-RMS)

Range	Measuring Range	Resolution	Accuracy (% of Reading)
40A	0 ~ 40.00A	0.01A	± (2.8% + 10 digits)
400A	0 ~ 400.0A	0.1A	± (2.8% + 8 digits)
1000A	0 ~ 1000A	1A	± (3.0% + 8 digits)

### DC Voltage

Range	Measuring Range	Resolution	Accuracy (% of Reading)
40mV	0 ~ 400.0mV	0.1mV	± (0.8% + 2 digits)
4V	0 ~ 4.000V	0.001V	± (1.5% + 2 digits)
40V	0 ~ 40.00V	0.01V	
400V	0 ~ 400.0V	0.1V	
600V	0 ~ 600V	1V	± (2.0% + 2 digits)

### AC Voltage (T-RMS)

Range	Measuring Range	Resolution	Accuracy (% of Reading)
400mV	0 ~ 400.0mV	0.1mV	± (1.0% + 10 digits)
4V	0 ~ 4.000V	0.001V	± (1.5% + 8 digits)
40V	0 ~ 40.00V	0.01V	
400V	0 ~ 400.0V	0.1V	
600V	0 ~ 600V	1V	± (2.0% + 8 digits)

### Resistance

Range	Measuring Range	Resolution	Accuracy (% of Reading)
400Ω	0 ~ 400.0Ω	0.1Ω	± (1.0% + 4 digits)
4kΩ	0 ~ 4.000kΩ	1Ω	± (1.5% + 2 digits)
40kΩ	0 ~ 40.00kΩ	10Ω	
400kΩ	0 ~ 400.0kΩ	100Ω	
4MΩ	0 ~ 4.000MΩ	1kΩ	± (2.5% + 5 digits)
40mΩ	0 ~ 40.00MΩ	10kΩ	± (3.5% + 10 digits)

### Capacitance

Range	Measuring Range	Resolution	Accuracy (% of Reading)
4nF	0 ~ 4.000nF	0.001nF	± (5.0% + 30 digits)
40nF	0 ~ 40.00nF	0.01nF	± (5.0% + 20 digits)
400nF	0 ~ 400.0nF	0.1nF	± (3.0% + 5 digits)
4μF	0 ~ 4.000μF	0.001μF	
40μF	0 ~ 40.00μF	0.01μF	
400μF	0 ~ 400.0μF	0.1μF	± (4.0% + 10 digits)
4mF	0 ~ 4.000mF	0.001mF	± (4.5% + 10 digits)
40mF	0 ~ 40.00mF	0.01mF	± (5.0% + 10 digits)

### Frequency

Range	Measuring Range	Resolution	Accuracy (% of Reading)
4kHz	0 ~ 4.000kHz	0.001kHz	± (1.5% + 2 digits)
Sensitivity: 5Vrms min			

### Frequency

Range	Measuring Range	Resolution	Accuracy (% of Reading)
°C	-40°C ~ 1000°C	1°C	± (2.5% + 3°C)
°F	-40.0°F ~ 1832°F	1°F	± (2.5% + 5°F)

\*Technical Specifications & Appearance are subject to change without prior notice