

GENERAL SPECIFICATIONS

- True RMS measurement of AC Current and AC Voltage
- Large 4000 count 3-3/4 Digits LCD display with a bargraph and bright white LED backlight.
- Wide measuring range from 0.01 AC/DC up to 1000A AC/DC Measures AC and DC Voltage up to 600 volts
- Measures resistance from 0.1Ω up to 40MΩ
- Capacitance measurements up to 40mF
- Temperature measurement from -40°C +1000°C and -40° 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 used to freeze reading on display

TECHNICAL 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° to 60°C (-22°F to 140°F)
Relative Humidity : Up to 85%
Over Voltage : Category III 600V
Battery : One DC 9V IEC6F22 1604
Auto Power Off : Approx 20 minutes
Dimensions : 229 x 80 x 49mm
Weight : 303g

DC Current

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)

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)
400mV	0 ~ 400.0 mV	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 ~ 400.0 mV	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 ~ 4.00MΩ	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 ~ 4.000μF	0.001μF	± (4.5% + 10 digits)
40mF	0 ~ 40.0mF	0.01μF	± (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

Temperature

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