

DIGITAL CLAMPMETER
B-6046

- 1000A AC/DC
- AUTO-RANGE
- TRUE-RMS
- INRUSH CURRENT
- 52 MM JAW SIZE

FEATURES

- Display: LCD
- 4000 Counts
- 3 3/4 Digits
- AC & DC Voltage
- AC & DC Current
- DC Amps Auto Zero
- Max Jaw Size 52 MM
- True-RMS
- Inrush Current
- Resistance
- Capacitance
- Frequency
- Temperature
- Auto Negative polarity indication: Displaying “-”
- Continuity Buzzer
- Duty Cycle
- Data Hold
- Diode Test
- Large LCD Display
- Low Battery Indication
- Auto Power Off

ACCESSORIES
(Included)

- Instruction Manual
- Pair of Test Leads
- K Type Temperature Probe
- 9 Volt Battery
- Carrying Case

ACCURATE

HIGH QUALITY

RELIABLE

DURABLE

EASY TO READ

STURDY

SAFETY

CE COMPLIANT



1000A
AC&DC

INRUSH
CURRENT

T-RMS

52MM
JAW SIZE

AUTO
RANGE

DC A
AUTO ZERO

4000
COUNTS

3 3/4
DIGITS

ABOUT THE PRODUCT

B-6046 operates with a high performance MCU Processor. It is of great value and has high reliability, security, automatically setting range function. The product has a large digital display, full range, overload protection, data hold function, undervoltage indication, auto shut off function. It has TRUE RMS measurement function which can accurately measure frequency voltage, non-sinusoidal voltage and inrush current measurement function which can measure inrush current about 80mS RMS. It also has temperature measurement function which can accurately measure -50°C ~ 1000°C. The instrument is suitable for frequency converting power supply, air conditioning, refrigeration equipment such as refrigerators, motor performance test. The Function to measure DC Current range is widely used in electroplating, DC welding machine, motor vehicle test and all kinds of DC 2A current measurement. This instrument complies with the safety requirements of ICE61010-1. It is excellent for new generation of practical electrical measuring instrument.

DC VOLTAGE

Range	Accuracy	Resolution
400mV	±(0.8% + 2d)	0.1mV
4V		1 mV
40V		10mV
400V		100mV
1000V	± (1% + 3d)	1V
Input Impedence: About 10MΩ		

AC VOLTAGE

Range	Accuracy	Resolution
400mV	± (1.2% + 5d)	0.1mV
4V		1mV
40V		10mV
400V		100mV
700V	±(1.5% + 3d)	1V
Input Impedence: About 10MΩ Frequency: 10Hz~1kHz (<i>Warning:</i> Frequency for square wave accuracy is specified from 10 Hz to 400Hz), Display: True RMS (Sinusoidal waveform RMS Calibration) Overload Protection: 250V at mV range, DC 1000V or peak value AC1000V at V range		

AC AMPS

AC AMPS		
Range	Accuracy	Resolution
40A	±(2% + 10d)	10mA
400A	±(2% + 5d)	100mA
1000A		1A
AC Conversion Type: True RMS responding, calibrated readings consistent with sinusoidal waveform RMS. Frequency Range: 50~60Hz		

DC AMPS

Range	Accuracy	Resolution
40A	±(2% + 10d)	10mA
400A	±(2% + 5d)	100mA
1000A		1A

TEMPERATURE

Range	Accuracy	Resolution
-50~300°C	1°C	± 1%± 5
301~1000°C	1°C	± 1.9%± 5
-58~600°F	1°F	± 1.2%± 6
601~1832°F	1°F	± 1.9%± 6

FREQUENCY

FREQUENCY		
Range	Accuracy	Resolution
100Hz	± (0.5%+3d)	0.01Hz
1kHz		0.1Hz
10kHz		1Hz
100kHz		10Hz
1Mhz		100Hz
10Mhz		1kHz
40Mhz		10kHz
Overload Protection: Effective value 250V. Input sensitivity RMS: Effective value 1V Note: If voltage of the frequency being measured is above 30V, set the rotary function switch to the ACV measured function and press 'SELECT' key to enter voltage frequency measured function, in order to avoid damage to the instrument		

RESISTANCE

Range	Accuracy	Resolution
400Ω	±(0.% + 5d)	0.1Ω
4kΩ		1Ω
40kΩ		10Ω
400kΩ		100Ω
4MΩ		1kΩ
40MΩ	±(1.5% + 5d)	10kΩ
Overload Protection: Effective value 220V		

CONTINUITY TEST

In the case that the resistance between two tested points is less than about 90Ω±20Ω, the buzzer will bring up sound.
Test Condition: Open-circuit voltage is about 0.5V

DUTY

Range	Accuracy	Resolution
1%~99%	± (0.5%3d)	0.1%
Overload Protection: Effective value 250V Input sensitivity RMS: 1V		

FORWARD DROP OFF VOLTAGE

Displaying approximate forward voltage values of diode.
Measuring forward direct current is 1.5mA; opposite DC Voltage is about 3V