

DIGITAL CLAMPMETER

B-6040

- 1000A AC/DC
- AUTO-RANGE
- TRUE-RMS

FEATURES

- Display: LCD
- 6000 Counts
- 3 5/6 Digits
- AC & DC Voltage
- AC & DC Current
- Sampling rate 3 times
- Wide Jaw Size
- True-RMS
- Resistance
- Capacitance
- Frequency
- Temperature
- Auto Negative polarity indication: Displaying “-”
- Continuity Buzzer
- Duty Cycle
- Diode Test
- Large LCD Display
- Low Battery Indication
- Auto Power Off

ACCURATE

HIGH QUALITY

RELIABLE

DURABLE

EASY TO READ

STURDY

SAFETY

CE COMPLIANT



1000A
AC&DC

ACV &
DCV

T-RMS

WIDE
JAW SIZE

AUTO
RANGE

8-BIT
MICRO
PROCESSOR

6000
COUNTS

3 5/6
DIGITS

ACCESSORIES

(Included)

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

ABOUT THE PRODUCT

This 3 5/6 digits display and 6000 counts Clampmeter is a stable and battery powered meter. It adopts 20mm LCD screen making the readings clear and with 15 seconds backlit display and overload protection, it is easier to use. It can be used to test DC voltage, AC voltage, DC current, AC current, resistance, capacitance, diode, temperature, continuity and frequency. To assure high accuracy and resolution, it adopts a 8-bit micro-processor and a dual integral A/D convertor IC. It is an ideal tool for industries, radio technology, educational institutions, electricians, engineers, technicians, manufacturers, and for household use. This product comes with one user manual, Carrying pouch, a pair of test leads, one temperature probe and one 9V battery.

Product Details

DC VOLTAGE

Range	Accuracy	Resolution
600mV	±(0.5% + 3d)	0.1mV
6V		1 mV
60V		10mV
600V		100mV
1000V	± (0.8% + 10d)	1V

Input Impedance: About 10MΩ
Overload protection: 200mV range: 550V DC or AC peak value
 other ranges: 1000V DC or AC 750V peak value

AC VOLTAGE (TRMS)

Range	Accuracy	Resolution
600mV	± (0.8% + 5d)	0.1mV
6V		1mV
60V		10mV
600V		100mV
750V	±(1.2% + 10d)	1V

Input Impedance: About 10MΩ
Standard sine wave and triangular wave: 40Hz – 1KHz
Other waveform: 40Hz – 200Hz

DC CURRENT

Range	Accuracy	Resolution
600μA	±(0.8% + 10d)	0.1μA
6000μA		0.001mA
60A	±(2% + 30d)	0.01A
600A		0.1A
1000A		1A

Maximum measurement voltage drop: 600mV
Overload protection: 600μA/6000μA, 0.6A/250V resettable fuse.
Positive input terminal: VΩ
Negative input terminal: COM
 60A/600A/1200A, measured from the center of clamp sensor input

AC CURRENT

Range	Accuracy	Resolution
600μA	±(0.8% + 10d)	0.1μA
6000μA		0.001mA
60A	±(2% + 30d)	0.01A
600A		0.1A
1000A		1A

Maximum measurement voltage drop: 600mV
Overload protection: 600μA/6000μA, 0.2A/250V resettable fuse.
Positive input terminal: VΩ
Negative input terminal: COM
 60A/600A/1200A, measured from the center of clamp sensor input
Standard sine wave and triangular wave: 40Hz – 1KHz
Other waveform: 40Hz – 200Hz
Display: TRMS value

RESISTANCE

Range	Accuracy	Resolution
600Ω	±(0.8% + 5d)	0.1Ω
6kΩ	±(0.8% + 3d)	1Ω
60kΩ		10Ω
600kΩ		100Ω
6MΩ		1kΩ
60MΩ	±(1% + 25d)	10kΩ

Overload Protection: 550V DC or AC peak value
Open circuit: <3V

FREQUENCY

Range	Accuracy	Resolution
10Hz	± (0.1%+3d)	0.01Hz
100Hz		0.1Hz
1kHz		1Hz
10kHz		10Hz
100kHz		100Hz
1Mhz		1kHz
20Mhz		10kHz

Overload Protection: 550V DC or AC peak (<10s)
Input sensitivity RMS: Effective value 1V

DIODE AND CONTINUITY

Diode forward voltage drop	Test condition: Measuring forward DC current is 1mA; reverse Voltage is about 3V
When the resistance under test is less than about 50Ω±20Ω, the buzzer will sound.	Test condition: Open circuit voltage is 3V. Press "SELECT" to switch the functions.

CAPACITANCE

Range	Accuracy	Resolution
60nF	± (3.5%+20d)	10pF
600nF		100pF
6μF		1nF
60uF		10nF
600uF	± (5%+10d)	100nF
6000uF		1uF

Overload Protection: 550V DC or AC peak value

TEMPERATURE

Range	Resolution	Accuracy
(-50~1000)°C	1°C	±(1% + 5) <400°C
(0~1832)°F	1°F	± (0.75% + 5) <750°F