

multicomp^{PRO}



**200A AC/DC Mini Clamp-on Meter
MP760862**

Features

- 3-2/3 digit (2400 count) LCD display
- White LED backlight
- Built-in non-contact AC voltage detector plus flashlight
- Frequency measurement 40Hz to 1kHz
- Autoranging with auto power off
- 0.7" (18mm) Jaw opening

Specifications

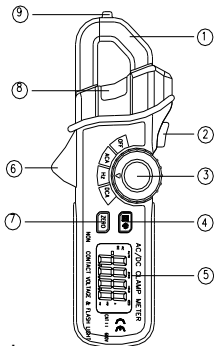
Display	3-2/3 (2400 count) Digit LCD with white LED backlight
Polarity	Minus sign (-) indicates negative polarity
Current sensor	Hall effect sensor type
Overload indication	"OL" displayed on the LCD
DCA zero adjust	One touch zero key
Display rate	2 readings/second, nominal
Battery	Two 1.5V AAA batteries
Low Battery indication	"BATT" displayed on the LCD
Auto OFF	approx. 7 minutes
Operating conditions	32°F to 86°F (0°C to 30°C) 90%RH; 86°F to 104°F (30°C to 40°C) 75%RH; 104°F to 122°F (40°C to 50°C) 45%RH
Storage conditions	- 14°F to 140°F (-30°C to 60°C); < 90% Relative Humidity
Altitude	Operate at less than 3000 meters
Weight	6.2 oz. (175g) including battery
Dimensions	164 x 65 x 32mm (6.5 x 2.6 x 1.3") (HXWxD)
Jaw opening	18mm (0.7")
Standards	IEC61010 Category II 600V

Range Specifications

Function	Range	Resolution	Accuracy (of reading)
DC Current	200A	100mA	$\pm (2.8\% + 8 \text{ digits})$
AC Current (50/60Hz)	200A	100mA	$\pm(3.0\% + 8 \text{ digits})$
Frequency (Auto-Ranging)	40-51Hz	0.01Hz	$\pm(1.2\% + 5 \text{ digits})$ Input Sensitivity: 5A AC RMS min.
	51-510Hz	0.1Hz	
	0.51-1kHz	0.001kHz	
Non-Contact AC Voltage	100VAC to 600VAC 50/60Hz		

Meter Description

- 1, Current sense jaw
2. Flashlight button
3. Rotary function switch
4. Data HOLD and Backlight key
5. LCD display
6. Clamp trigger
7. One-touch DCA ZERO key
8. Non-contact AC voltage indicator light
9. Non-contact AC voltage detector probe tip



Safety Information



Caution! Refer to the explanation in this Manual



Double Insulation

This meter has been designed to be safe in use, but the operator must use caution in its operation. The rules listed below should be carefully followed for safe operation.

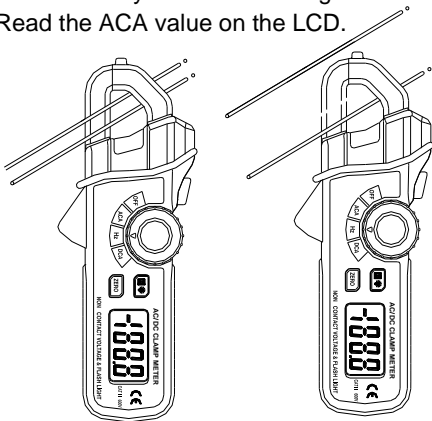
1. **NEVER** apply voltage or current to the meter that exceeds the specified maximum:
2. **USE EXTREME CAUTION** when working with voltages greater than 25VAC rms. These voltages are considered a shock hazard.
3. **NEVER** operate the meter unless the back cover and the battery/fuse door are in place and fastened securely

Input Limits	
Function	Maximum Input
AC Current	200A
DC Current	$\pm 200A$
Frequency	1kHz

Operation

AC Current Measurements

- 1) Set the Function switch to the ACA range.
- 2) Press the jaw trigger and clamp around, fully enclosing a single conductor.
Do not allow a gap between the two halves of the jaw.
Refer to the diagram at right for the correct way to enclose a single conductor.
- 3) Read the ACA value on the LCD.



WRONG

CURRENT

DC Current Measurements

- 1) Set the Function switch to the DCA range.
- 2) Press the ZERO key to null the meter display.
- 3) Press the Trigger to open the current sense Jaw.

- 4) Fully enclose the conductor to be measured.
Do not allow a gap between the two halves of the jaw.
- 5) Read the DCA value on the LCD.

Non-Contact AC Voltage Measurements

WARNING: Risk of Electrocution. Before use, always test the Voltage Detector on a known live circuit to verify proper operation

- 1) Touch the probe tip to the hot conductor or insert into the hot side of the electrical outlet.
- 2) If AC voltage is present, the detector light will illuminate.

NOTE: The conductors in electrical cord sets are often twisted. For best results, rub the probe tip along a length of the cord to assure placing the tip in close proximity to the live conductor.

NOTE: The detector is designed with high sensitivity. Static electricity or other sources of energy may randomly trip the sensor. This is normal operation

Frequency Measurements

- 1) Set the Function switch to the Hz position.
- 2) Fully enclose the conductor to be measured. Do not allow a gap between the two halves of the jaw.
- 3) Read the Frequency value on the LCD.

Flashlight

Press and hold the top button to turn the flashlight on.
Release the button to turn the flashlight off.

Data Hold

To freeze the current reading on the LCD, press the “Hold Backlight” key. The word HOLD will appear on the LCD while the meter is in the Data Hold mode. To release the Data Hold function and return the meter to normal operation, press the “Hold Backlight” key again. The word HOLD will switch off.

Backlight display

Press and hold the “Hold Backlight” key for more than 2 seconds to turn on the backlight. This will also activate the Data Hold function. To release the Data Hold function and return the meter to normal operation, press the Data Hold key momentarily. To turn off the backlight, press and hold the “Hold Backlight” key for more than 2 seconds

AUTO POWER OFF

The auto off feature will turn the meter off after 7 minutes.

Battery Replacement

- 1) When the low battery symbol appears on the LCD the batteries must be replaced.
- 2) Power down and remove the rear battery compartment Phillips screw.

- 3) Lift off the battery compartment cover and replace the two 1.5V AAA cells.
- 4) Replace compartment cover and secure the screw.



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of recycling schemes in your area.



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