

2000 AC/DC TRMS SOLAR PV CLAMP METER

CM-2061PV



Performance with Precision



FEATURES :

- ☒ 5,999 COUNTS
- ☒ JAW SIZE 67 MM
- ☒ DATA HOLD
- ☒ LARGE LCD WITH BIG FONT SIZE
- ☒ TRUE RMS
- ☒ NCV
- ☒ DIODE
- ☒ LIVE WIRE DETECTION
- ☒ PEAK VOLTAGE MEASUREMENT
- ☒ MAX / MIN / RELATIVE FUNCTION
- ☒ DUTY CYCLE
- ☒ FULL OVER LOAD PROTECTION
- ☒ TEMPERATURE °F & °C
- ☒ K-TYPE THERMOCOUPLE
- ☒ BACKLIGHT & FLASHLIGHT
- ☒ BOTH AUTO & MANUAL RANGE
- ☒ LoZ MEASUREMENT
- ☒ AUTO POWER OFF

AC VOLTAGE (2kV~Hz%)

RANGE	RESOLUTION	DCV	ACV	OVERLOAD PROTECTION
600mV	0.1 mV	± (0.8%+3)	-	2000V AC/DC
6V	0.001V	± (0.5%+5)	± (1.0%+5)	
60V	0.01V			
600V	0.1V			
2000V	1V	± (1.0%+8)	± (1.0%+8)	

AC VOLTAGE / DC VOLTAGE LoZ

RANGE	RESOLUTION	ACCURACY	OVERLOAD PROTECTION
1000V	1V	± (2.0%+5)	1000V DC / AC

CONTINUITY (•)))

RANGE	RESOLUTION	REMARKS	OVERLOAD PROTECTION
600 Ω	0.1 Ω	Open circuit : Resistance >50Ω, no beep; well connected circuit: resistance <50Ω, consecutive beep	600V AC/DC

AC CURRENT, DC CURRENT (A~Hz%)

RANGE	RESOLUTION	DCA	ACA	OVERLOAD PROTECTION
60A	0.01A	± (2.0%+5)	± (2.0%+5)	2000A
600A	0.1A			-
2000A	1A			

INRUSH CURRENT, DC CURRENT (A~Hz%)

RANGE	RANGE	RESOLUTION	ACCURACY	OVERLOAD PROTECTION
INRUSH CURRENT ACA	2000A	1A	± (10%+10)	2000A

• Measurement time is around 100ms

DIODE (→+)

RANGE	RESOLUTION	REMARKS	OVERLOAD PROTECTION
6V	0.001V	Open circuit voltage: about 3V, measurable PN junction : forward voltage drop ≤3V, for silicon PN junction, the normal value is generally about 0.5~0.8V	600V AC/DC

CAPACITANCE (F)

RANGE	RESOLUTION	ACCURACY	OVERLOAD PROTECTION
1.0 nF	0.001 nF	± (4.0%+25)	600V DC/AC
10.0 nF	0.01 nF		
100.0 nF	0.1 nF		
1.0 uF	0.001 uF	± (4.0%+5)	
10.0 uF	0.01 uF		
100.0 uF	0.1 uF		
1.0 mF	0.001 mF	± (10.0%+9)	
10.0 mF	0.01 mF		
100.0 mF	0.1 mF		

TEMPERATURE (°C / °F)

RANGE	RESOLUTION	ACCURACY	OVERLOAD PROTECTION
-40°C~0°C	1°C	± 4	600V DC/AC
0°C~400°C		$\pm (2\%+3)$	
400°C~1300°C		$\pm (3\%+3)$	
-40°F~50°F	1°F	± 5	
50°F~750°F		$\pm (2\%+5)$	
573°F~1832°F		$\pm (3\%+5)$	

K-TYPE THERMOCOUPLE IS APPLICABLE

LIVE WIRE RECOGNITION (LIVE)

RANGE	ACCURACY	OVERLOAD PROTECTION
LIVE	When the tip of test leads contacts the wire for detection, if there is no voltage detected, the LCD display "LIUE", If detected voltage, the LCD display "_____", and flashing red lights up and buzzer sounded.	1000V DC/AC

Size of LCD display : 45 x 39mm

Polarity display : Auto

Sampling rate : 3 times/s

Sensor type : Hall effect sensor

Test position error : If the source under test is not placed at the center of the clamp jaws when measuring current, $\pm 1.0\%$ additional error in reading maybe generated

Max.Jaw opening : 67mm

Jaws internal size : 74.1(L) x 56.7(W)mm

Max.measured conductor size : $\phi 57$ mm (copper bar: 16x74)

Loz measurement : Auto. Identify AC & DC voltage, once internal resistance value is at approx 1.8M Ω

Auto power off : 15 minutes (can be disabled)

RESISTANCE (Ω)

RANGE	RESOLUTION	ACCURACY	OVERLOAD PROTECTION
600 Ω	0.1 Ω	± (1.0%+3)	600V DC/AC
6 kΩ	0.001 kΩ	± (1.0%+2)	
60 kΩ	0.01 kΩ		
600 kΩ	0.1 kΩ		
6 MΩ	0.001 MΩ	± (2.0%+8)	
60 MΩ	0.01 MΩ		

FREQUENCY / DUTY CYCLE (Hz%)

RANGE	RESOLUTION	ACCURACY	OVERLOAD PROTECTION
1Hz~10MHz	0.001Hz~1 KHz	$\pm (1.0\%+3)$	600V DC/AC
10.0%~90.0%	0.1%	$\pm (2.6\%+7)$	

NON-CONTACT VOLTAGE (NCV) DETECTION

RANGE	ACCURACY	OVERLOAD PROTECTION
NCV	Approach the NCV sensor close to a wire to start sensing, when no voltage is detected, the LCD display "EF". As the intensity of the detected voltage is increased, more the flashing red light changes from slow to fast and the buzzer sound from slow to fast	1000V DC/AC

POWER : 1.5V AAA x 3

Dimension : H283 x W110 x D45 mm

Weight : Approx 610 gms.

Accessories : Test leads, User Manual, K-type Thermocouple, Hard Carrying Bag, Battery, Test Probe, Crocodile Clips & MC4 PV Plug

