

# C140 AC Clamp Meter 1000A

**TEKNEKA**

## Product Datasheet

The Tekneka C140 AC Clamp Meter is a versatile and compact equipment for taking electrical measurements on a regular basis. Its accuracy and dependability are guaranteed by its capacity to monitor AC current/voltage, DC voltage, resistance, capacitance, frequency, and temperature. It has a large Ø42mm jaw capacity, manual/auto range selection, and True RMS technology, making it ideal for both personal and professional use. It is essential for effective diagnostics due to extra features including backlight hold functionality, MAX/MIN value display, and NCV detection.

### Features

- True RMS Measurement
- Manual and auto range selection
- Jaw capacity Max. Ø42mm/1.65"
- Easy to view MAX/MIN values
- HOLD measuring values & display backlight
- Has NCV (non-contact voltage)
- REL function to clear initial reading
- Polarity indication "-" displayed automatically
- Complies with CAT III 600V, CAT II 1000V

### Applications

Tekneka C140 AC Clamp Meter is widely used in power distribution, motor and generator testing, cable insulation checks, and electrical substations. Its applications span building maintenance, manufacturing, renewable energy, aerospace, railways, oil and gas, and R&D, offering precision and reliability for diagnostics and measurements.



### Technical Specification

General Specification	
Display (LCD)	3999 Counts
Ranging	Auto/Manual
Multi Function	√
Safety Rating	CAT III 600V, CAT II 1000V
Max Jaw Opening	Ø42mm
REL	√
True RMS	√
Data Hold	√
Backlight	√
Buzzer Indication	√
Low Battery Indication	√
Auto Power Off	√ (15 min)
Built Material	ABS
Operating Temperature	0 ~ 40°C
Storage Temperature	-10 ~ 60°C
Battery	3 x AAA 1.5V
Device Dimension	225 x 82 x 28mm
Box Dimension	293 x 100 x 100mm
Weight	Net: 260g/Gross: 600g

Description	Ranges	Basic Accuracy
DC Voltage	400.0mV	±(0.5% + 5dgt.)
	4.000V	
	40.00V	±(0.8% + 5dgt.)
	400.0V	
	1000V	
AC Voltage	4.000V	±(1.0% + 5dgt.)
	40.00V	
	400.0V	
	1000V	
AC Current	400.0A	±(3.0% + 8dgt.)
	1000A	
Resistance	400.0Ω	±(0.5% + 3dgt.)
	4.000kΩ	
	40.00kΩ	±(0.5% + 2dgt.)
	400.0kΩ	
	4.000MΩ	
40.00MΩ	±(1.5% + 5dgt.)	
Frequency	4.000Hz ~ 4.000MHz	±(0.1% + 5dgt.)
Capacitance	4.000nF	±(5.0% + 20dgt.)
	40.00nF	±(3.0% + 20dgt.)
	400.0nF ~ 4.000mF	±(5.0% + 10dgt.)
Diode	2.000V	Forward DC current approx. 1mA. Reversed DC voltage approx. 1.5V
Temperature	-200 ~ 1200°C	±(2% + 3dgt.)
Continuity	Meter beeps at < 50Ω	
NCV	√ (lowest detect voltage 50V)	

### Ordering Info.

C140.....AC Clamp Meter 1000A

### Package Includes:

- Test Leads Set
- K type Thermocouple
- 3 x AAA 1.5V Batteries
- User Manual