

# C180 AC/DC Clamp Meter 1000A

**TEKNEKA**

## Product Datasheet

The Tekneka C180 AC/DC 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/DC current & 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 C180 AC/DC 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		
	400.0V		
AC Voltage	4.000V	±(1.0% + 5dgt.)	
	40.00V		
	400.0V		
	1000V		
AC Current	400.0A	±(3.0% + 8dgt.)	
	1000A		
DC Current	400.0A	±(3.0% + 6dgt.)	
	1000A		
Resistance	400.0Ω	±(0.5% + 3dgt.)	
	4.000kΩ		
	40.00kΩ		
	400.0kΩ		
	4.000MΩ		
Frequency	4.000Hz ~ 4.000MHz	±(0.1% + 5dgt.)	
	4.000nF		±(5.0% + 20dgt.)
	40.00nF		
	400.0nF ~ 4.000mF		
Diode	2.000V	Forward DC current approx. 1mA.	
Temperature	-200 ~ 1200°C	±(2% + 3dgt.)	
Continuity	Meter beeps at < 50Ω		
NCV	√ (lowest detect voltage 50V)		

### Ordering Info.

C180.....AC/DC Clamp Meter 1000A

### Package Includes:

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