

The Tekneka C255 AC Clamp Meter 1000A tool measures AC current, DC voltage, frequency, Ohm & Continuity, NCV, capacitance, duty cycle, and temperature. It is made to give precise electrical readings. Its practical features, like its rotating clamp jaws for easy measuring in tight areas and its trigger that is positioned away from live conductors to lessen risks, enhance utilisation. Ergonomic push buttons and a function selector switch guarantee easy use even under stressful conditions. The Tekneka C255 is an essential tool for professionals and enthusiasts, offering reliable performance and an intuitive design.

Features

- REL key to null zero correction for resistance
- In AUTO and MAN modes, choosing measurement ranges is simple
- 52 x 38mm LCD screen has a backlight and displays values
- A single, easy-to-use button can HOLD the measurement value
- Buzzer alerts are offered at numerous functions
- Non-contact voltage (NCV) detection when an AC voltage >75V AC 50/60Hz
- Continuity test produces a buzzer when the resistance is <75 ohms
- It has IP20 protection against particles and dust
- The clamp's jaws open to Ø51mm for standard wires
- Rotating clamp jaws at 30°, 60°, and 90° angles facilitate the measurement of conductors that are positioned in difficult-to-reach areas, vertical bus bars, and physically challenging positions



Applications

Tekneka C255 AC clamp meter is utilized in the fields of power distribution systems, equipment testing, motor and generator testing, cable and wire insulation testing, electrical substations, building maintenance, electrical workshops, manufacturing quality control, renewable energy systems, aircraft and aerospace, railway systems, oil and gas industry, and research and development.

Technical Specifications

General Specifications

Display (LCD)	9999 Counts
Ranging	Auto/Manual
Clamp Jaw Rotation	✓
Multi Function	✓
Safety Rating	CAT III 600V, CAT II 1000V
REL	✓
Data Hold	✓
Backlight	✓
Buzzer Indication	✓
Low Battery Indication	✓
Auto Power Off	(15 min)
Built Material	ABS
Operating Temperature	-10 ~ 50°C
Battery	2 x AAA 1.5V
Dimension	100 x 100 x 293mm
Weight	Net: 470g/Gross: 676g

Packing Includes

- Test Leads Set
- 2 x AAA 1.5V Batteries

Ordering Info

C255..... AC Clamp Meter 1000A

Description	Ranges	Accuracy
DC Voltage	400mV	±(0.75% + 2dgt.)
	4V	
	40V	
	400V	
AC Voltage	1000V	±(0.5% + 2dgt.)
	400mV	
	4V	
	40V	
AC Current (1000A)	400V	±(1% + 5dgt.)
	400V	
	1000V	
	1000V	
Resistance	400A	±(1% + 10dgt.)
	4000A	
	400Ω	
	4kΩ	
	40kΩ	
	400kΩ	
Continuity	4MΩ	±(0.8% + 5dgt.)
	40MΩ	
Continuity	400Ω	Acoustic signal for 0...<75Ω (approx)
Frequency	10Hz ~ 500kHz	±(0.2% + 2dgt.)
Capacitance	9.999nF	±(5.0% + 20dgt.)
	99.99nF to 999.9µF	
	9.999mF	
Duty Cycle	400Ω	±(2.0% + 5dgt.)
	400Ω	
Duty Cycle	2 to 98%	±5D (10Hz ~1kHz) ±5D/kHz (1kHz ~10kHz)
Diode	1V	±(1% + 5dgt.)
Temperature	0 ~ 1300°C	±(2% + 5dgt.)
Continuity	Meter beeps at <50Ω	±(2% + 10dgt.)
NCV	✓	±(2% + 3dgt.)