

C345 TRMS AC/DC Clamp Meter 1000A

TEKNEKA

Product Datasheet

The Tekneka C345 TRMS AC/DC Clamp Metre 1000A measures AC/DC Current, AC/DC Voltage, Frequency, Ohm & Continuity, 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 C345 is an essential tool for professionals and enthusiasts, offering reliable performance and an intuitive design.

Features

- Easy to null zero correction for resistance & capacitance
- TRMS measurement can result in accurate values of AC signals
- In AUTO and MAN modes, choosing measurement ranges is simple
- Can measure accurately on variable frequency drives (VFD) and UPS
- 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
- Continuity test produces a buzzer when the resistance is <125Ω
- 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

The Tekneka C345 TRMS AC/DC Clamp Metre 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

Description	Ranges	Accuracy
DC Voltage	30mV	±(0.5% + 3dgt.)
	300mV	
	3V	±(0.25% + 1dgt.)
	30V	
	300V	
1000V	±(0.35% + 1dgt.)	
AC Voltage (TRMS)	3mV	±(0.75% + 2dgt.) 10 ~ 300dgt. ±(0.75% + 2dgt.) >300dgt.
	30V	
	300V	
	1000V	
AC (TRMS)/DC Current	300A	±(1.5% + 5dgt.)
	1000A	
Resistance	30Ω	±(0.5% + 3dgt.)
	300Ω	
	3kΩ	±(0.4% + 1dgt.)
	30kΩ	
	300kΩ	
	3MΩ	
30MΩ	±(2.0% + 1dgt.)	
Frequency	1Hz ~ 100kHz	±(0.5% + 1dgt.)
Capacitance	0.5nF ~ 3μF	±(1.0% + 3dgt.)
	30μF	±(3.0% + 3dgt.)
Duty Cycle	2 ~ 98%	±5D (2Hz ~1kHz)
		±5D/kHz (1kHz ~10kHz)

Description	Ranges	Accuracy
Diode	2V	±(0.25% + 1dgt.)
Temperature	-200 ~ 850°C (Pt100)	±(1.0% + 5dgt.)
Continuity	-100 ~ 850°C (Pt1000)	±(1.0% + 2dgt.)
Continuity	Meter beeps at <125Ω	

General Specifications

Number of Digits	3½ digits
Maximum Count	3100 Counts
Ranging	Auto/Manual
Clamp Jaw Rotation	√
Multi Function	√
Safety Rating	600V CAT IV/1000V CAT III
Zero Correction	√
Data Hold	√
Backlight	√
Buzzer Indication	√
Low Battery Indication	√
Auto Power Off	√ (15 min)
Built Material	ABS
Operating Temperature	-10 ~ 50°C
Battery	9V DC
Packing Dimension	100 x 100 x 293mm
Weight	Net: 450g/Gross: 873g

Ordering Info

C345..... TRMS AC/DC Clamp Meter 1000A

Packing Includes:

- Test Leads Set
- 9V Battery
- Carrying Case

