

The Tekneka CP355 TRMS AC/DC Power Clamp Meter 1000A measures Active Power (1Ø 2W, 3Ø 3W, and 3Ø 4W), AC/DC Current, AC/DC Voltage, Resistance, Continuity, Diode, and NCV. It is made to give precise electrical readings. Its practical features, like its rotating clamp jaws for easy measuring in tight locations and its trigger that is positioned away from live conductors to lessen risks, enhance utilisation. In addition, ergonomic push buttons, INRUSH current measurement, and LPF mode for VFD application guarantee comfortable operation even under difficult circumstances. The Tekneka CP355 is an essential tool for professionals and enthusiasts, offering reliable performance and an intuitive design.

Features

- Easy to take INRUSH/Peak value measurement
- TRMS measurement can result in accurate values of AC/DC signals
- It has Active, Re-active and Apparent Power measurement
- 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
- It also features Resistance, Continuity, Diode and NCV detection
- Buzzer alerts are offered at numerous functions
- 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



Applications

The Tekneka CP355 TRMS AC/DC Power 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

Description	Ranges	Accuracy
DC Voltage (TRMS)	999.9V	±(0.5% + 5dgt.)
AC Voltage (TRMS)	999.9V	±(0.75% + 5dgt.)
AC/DC Voltage (TRMS)	999.9V	±(1.25% + 10dgt.)
LPF AC Voltage	999.9V	±(0.75% + 5dgt.) @ 50 ~ 60Hz ±(5.0% + 5dgt.) @ 61 ~ 400Hz
DC Power Clamp	999.9A	±(1.5% + 5dgt.)
AC Power Clamp	999.9A	±(3% + 10dgt.)
LPF AAC (Power Clamp)	999.9A	±(1.5% + 5dgt.) @ 50 ~ 60Hz ±(5.0% + 5dgt.) @ 61 ~ 400Hz
Active Power	9999kW	
Re-active Power	9999kVAr	±(2% + 5dgt.)
Horse Power	9999hp	
Energy	9999kWh	±(3% + 5dgt.)
Phase Angle (Ø)	0 ~ 360°	±3°
Power Factor	-1...0...1	
Harmonics	1 st ~ 13 th 14 th ~ 49 th	±(3% + 10dgt.) ±(5% + 20dgt.)
Total Harmonic Distortion	0 ~ 99.9%	±(3% + 20dgt.)
INRUSH Current (Power)	999.9A	±(3% + 5dgt.)
Peak Current (Power Clamp)	1400A/1400V	±(3% + 3dgt.)
Resistance	30Ω	±(0.5% + 5dgt.)
Diode	2.2V	±(0.5% + 5dgt.)
Continuity	Below 40Ω	±(0.5% + 5dgt.)

General Specifications	
Number of Digits	4 digits
Maximum Count	9999 Counts
Ranging	Auto/Manual
Clamp Jaw Rotation	✓
Multi Function	✓
NCV	✓
Safety Rating	600V CAT IV/1000V CAT III
Data Hold	✓
Backlight	✓
Buzzer Indication	✓
Low Battery Indication	✓
Auto Power Off	✓ (10 min)
Built Material	ABS
Operating Temperature	0 ~ 50°C
Storage Temperature	-20 ~ 70°C
Battery	9V DC
Device Dimension (W x L x H)	90 x 270 x 70mm
Package Dimension	100 x 100 x 293mm
Weight	Net: 450g/Gross: 873g

Packing Includes:

- Test Leads Set
- 9V Battery
- Carrying Case

Ordering Info

CP355..... TRMS AC/DC Power Clamp Meter 1000A