



CT-347 SMART MULTIFUNCTION CURRENT CLAMP

WITH AUTOMATIC MEASUREMENT SELECTION

FEATURING IMPEDANCE AND CAPACITANCE MEASUREMENT, DIODE TEST, CONTINUITY TEST, FREQUENCY AND TEMPERATURE MEASUREMENT

The wide range of measures included in the **CT-347** current clamp is designed for the day to day of the electrician. It is possible to work in direct (DC) and alternating (AC) current installations, and to measure electronic components and temperatures up to 750 °C.

The **automatic measurement type selection** prevents mistakes that may damage the instrument when configuring the ranges. This makes the clamp very adequate to be used in vocational training.

The **CT-347** clamp can toggle automatically between voltage and current DC/AC automatically adjusting the measurement range; it also has smart auto-selection of the electronic component under test (impedances, capacitors, diodes).



MEASUREMENTS INCLUDED IN THE CT-347 CURRENT CLAMP

- ✓ **DC/AC voltage:** Up to 1000 V
- ✓ **DC/AC current:** Up to 1000 A
- ✓ **Continuity test:** Audible tone
- ✓ **Diode test:** Audible tone
- ✓ **Impedance:** Up to 60 MΩ
- ✓ **Frequency:** Up to 1 kHz
- ✓ **Capacitance:** Up to 600 μF
- ✓ **Temperature:** From -20 °C to 750 °C

SPECIFICATIONS

- ✓ **Display:** Backlighted LCD screen
- ✓ **Polarity:** Automatic, on-screen indication
- ✓ **Smart selection of measurement type and range**
- ✓ **Dimensions:** 94 (W.) x 241 (H.) x 46 (D.) mm
- ✓ **Functions:** HOLD, MAX HOLD, MIN HOLD
- ✓ **Overrange:** Built-in overrange protection
- ✓ **Power supply:** 9 V LR61 battery

SPECIFICATIONS	CT-347 SMART MULTIFUNCTION CURRENT CLAMP 1000 V, 1000 A
Display	Backlighted LCD screen
Display functions	HOLD, MAX HOLD, MIN HOLD
Polarity	Automatic: Positive by default and on-screen negative polarity indication
Overrange	Built-in overrange protection for V _{DC} /V _{AC} , A _{DC} /A _{AC} , Capacitance, Frequency and Impedance measurements
Analog to Digital Converter	6000 counts
Protection class	IEC1010 CAT III 1000 V
Max conductor diameter	32 mm
Smart measurement selection	Automatic measurement selection for DC/AC Voltage with auto range and for DC/AC Current. Automatic measurement and range selection for Impedance, Diodes, Continuity or Capacitance.
DC voltage Scales Resolution Accuracy Input impedance Overload protection	600mV / 6V / 60V / 600V / 1000V 0.1 mV / 0.001V / 0.01V / 0.1V / 1V 600 mV scale: $\pm(0.8\% \text{ rdg.} + 2 \text{ digits})$ / Other scales: $\pm(0.8\% + 1 \text{ digit})$ 10 M Ω 600 mV scale: $\pm 500 \text{ V}$ / Other scales: $\pm 1000 \text{ V}$
AC voltage Scales Resolution Accuracy Input impedance Overload protection	6V / 60V / 600V / 1000V 0.001V / 0.01V / 0.1V / 1V $\pm(1\% \text{ rdg.} + 2 \text{ digits})$ 10 M Ω 1000 V
DC/AC current Scales Resolution Accuracy Overload protection	600A / 1000A 0.1A / 1A 600 A scale: $\pm(1.5\% \text{ rdg.} + 15 \text{ digits})$ / Scale 1000 A: $\pm(2\% + 8 \text{ digits})$ 1000 A
Diode test	Short/open circuit, pass/fail test
Continuity test	Audible tone when the impedance value is below 20 Ω
Capacitance Scales Resolution Accuracy	6nF / 60nF / 600nF / 6 μ F / 60 μ F / 600 μ F 0.001nF / 0.01nF / 0.1nF / 0.001 μ F / 0.01 μ F / 0.1 μ F $\pm(3\% \text{ rdg.} + 5 \text{ digits})$
Frequency	From 40 Hz to 1kHz (resolution 0.001 kHz). Accuracy $\pm(0.5\% \text{ rdg.} + 2 \text{ digits})$
Impedance Scales Resolution Accuracy Overload protection	600 Ω / 6k Ω / 60k Ω / 600k Ω / 6M Ω / 60M Ω 0.1 Ω / 0.001k Ω / 0.01k Ω / 0.1k Ω / 0.001M Ω / 0.01M Ω 600 Ω scale: $\pm(1\% \text{ rdg.} + 2 \text{ digits})$ / Other scales: $\pm(1.5\% \text{ rdg.} + 2 \text{ digits})$ $\pm 350 \text{ V}_{DC}$, 350 V _{AC}
Temperature Resolution Accuracy	From -20 to 750°C 1°C From -20 to 300 °C: $\pm(1\% \text{ rdg.} + 1^\circ\text{C})$ / From 301 to 750°C: $\pm(3\% \text{ rdg.})$
Power supply	9 V LR61 battery
Mechanical features	94 (W.) x 241 (H.) x 46 (D.) mm / 429 g, including battery
Included accessories	Test leads, Carrying pouch