PROMAX

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 ºC.

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).

CAT III 1000 V

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 ºC to 750 ºC

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

CT-347 CURRENT CLAMP
1000 V, 1000 A

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 VDC/VAC, ADC/AAC, Capacitance, Frequency and Impedance measurements
Analog to Digital Conversor	6000 counts
Protection class	IEC1010 CAT III 1000 V
Max conductor diameter	32 mm
Smart measurement selection	Automatic measurement selection for DC/AC Voltage wiith 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: ±(0.8% rdg. + 2 digits) / Other scales: ±(0.8% + 1 digit) 10 MΩ 600 mV scale: ±500 V / Other scales: ±1000 V
AC voltage **Scales** **Resolution** **Accuracy** **Input impedance** **Overload protection**	 6V / 60V / 600V / 1000V 0.001V / 0.01V / 0.1V / 1V ±(1% rdg. + 2 digits) 10 MΩ 1000 V
DC/AC current **Scales** **Resolution** **Accuracy** **Overload protection**	 600A / 1000A 0.1A / 1A 600 A scale: ±(1.5% rdg. + 15 digits) / Scale 1000 A: ±(2% + 8 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 / 6µF / 60µF / 600µF 0.001nF / 0.01nF / 0.1nF / 0.001µF / 0.01µF / 0.1µF ±(3% rdg. + 5 digits)
Frequency	From 40 Hz to 1kHz (resolution 0.001 kHz). Accuracy ±(0.5% rdg. + 2 digits)
Impedance **Scales** **Resolution** **Accuracy** **Overload protection**	 600Ω / 6kΩ / 60kΩ / 600kΩ / 6MΩ / 60MΩ 0.1Ω / 0.001kΩ / 0.01kΩ / 0.1kΩ / 0.001MΩ / 0.01MΩ 600Ω scale: ±(1% rdg. + 2 digits) / Other scales: ±(1.5% rdg. + 2 digits) ±350 VDC, 350 VAC
Temperature **Resolution** **Accuracy**	From -20 to 750ºC 1ºC From -20 to 300 ºC: ±(1% rdg. + 1ºC) / From 301 to 750ºC: ±(3% 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

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