



# CT-237

## LEAKAGE CURRENT CLAMP



**INCLUDES HIGH FREQUENCY MODE  
TO CHECK CIRCUITS FROM  
INVERTERS, DIMMERS...**

The **CT-237** is a precision AC clamp digital measurement instrument to measure leakage currents, including operating mode selection for low frequency (50/60 Hz) or high frequency (up to 1 kHz). Both under numerical mode and **20 samples per second bar graph**. Includes a filtering circuit designed to get rid of the high frequency parasitic noise and the harmonics for AC currents measurement.

The clamp is shielded in order to minimize the effect of external magnetic fields scattering.

The **CT-237** clamp can be operated with one hand and it is fitted with a single rotary selector for functions and scales: Current, Voltage, Frequency, Continuity and Impedance. Includes HOLD and MAX/MIN hold measurement functions and also relative measurement operation.

### MEASUREMENTS INCLUDED IN THE CURRENT CLAMP CT-237

- ✓ **AC voltage:** Up to 400 V
- ✓ **Impedance:** Up to 400  $\Omega$
- ✓ **Includes frequency measurement**
- ✓ **AC current:** Up to 60 A
- ✓ **Continuity test:** Acoustic indicator

### SPECIFICATIONS

- ✓ **Display:** Liquid crystal LCD screen with bar graph
- ✓ **Polarity:** Automatic, with on-screen indication
- ✓ **High frequency operation:** From 40 Hz up to 1 kHz
- ✓ **Power supply:** 2x 1.5 batteries
- ✓ **Functions:** HOLD, MAX/MIN HOLD
- ✓ **Overrange:** On-screen indication
- ✓ **Low frequency operation:** 50/60 Hz

SPECIFICATIONS	CT-237 LEAKAGE CURRENT CLAMP
Display	Liquid crystal (LCD) 3¾ screen, with 40 segment bar graph
Display functions	HOLD, MAX/MIN hold, REL (relative measurement)
Frequency selection	Low frequency (50/60 Hz) or Wide mode (40 Hz to 1 kHz) selection switch.
Conductor diameter	Approximately 30 mm max.
Scale	Manual
Overrange	The leftmost digit blinks
Reading rate Numeric display Bar graph	2 measurements per second 20 measurements per second
AC voltage Scales Resolution Accuracy  Overload protection	400 V 0.1 V 50/60 Hz: $\pm(1,5\% \text{ reading } \pm 2 \text{ digits})$ 40 to 1 kHz: $\pm(2\% \text{ reading } \pm 4 \text{ digits})$ 800 V AC
Resistencia y Continuidad Scales Resolution Accuracy Acoustic indicator Overload protection	40 $\Omega$ , 400 $\Omega$ 0.1 $\Omega$ $\pm(1\% \text{ reading } + 2 \text{ digits})$ < 38 $\Omega$ (for continuity measurement) 600 V AC
Corriente AC Scales Resolution (according to scale) Accuracy	40 mA, 400 mA, 4 A, 40 A, 60 A 10 $\mu\text{A}$ (@40 mA) / 100 $\mu\text{A}$ (@400 mA) / 1 mA (@4 A) / 10 mA (@40 A) / 100 mA (@60 A) From 40 mA to 40 A (@50/60 Hz): $\pm(1\% \text{ reading } \pm 3 \text{ digits})$ From 40 mA to 40 A (40 to 1 kHz): $\pm(2\% \text{ reading } \pm 5 \text{ digits})$
Frequency measurement	Included
Power supply	2x 1.5 V SUM-3 (AA) with low battery indication and auto power off
Mechanical features	62 (W.) x 35,6 (H.) x 210 (D.) mm / 200 g, including the battery
Included accessories	Transport case, batteries, test probes

Accuracy data referred to these environmental conditions: 23 °C  $\pm$ 5 °C.