



CLAMP TESTER



3101

AC 0-300A CAN BE MEASURED WITH LIVE WIRE INTACT

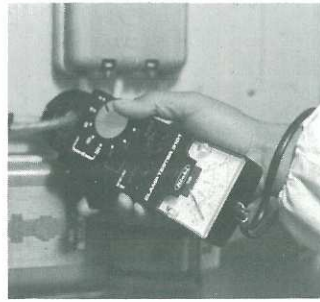
- Voltage and resistance measurement are also possible
- For both 50 and 60 Hz
- Convenient Meter Lock
- Circuit protecting fuse provided
- Unbeatable shock resistance CORE MAGNET TAUT BAND meter

3101 CAN BE CONVENIENTLY USED IN MAINTENANCE AND INSPECTION OF VARIOUS ELECTRIC FACILITIES

CLAMP TESTER 3101

FEATURES

- **0-300A reading range**
AC current readings from 0 to 300A can be obtained quickly and easily by simply clamping the ammeter around the live wire, thus rendering interruption of the line unnecessary.
- **Measures voltage too**
By using the terminals and test leads provided for the purpose, AC voltage readings from 0 to 600V can also be taken.
- **0~1kΩ resistance reading range**
Resistance can also be measured by using the resistance measuring terminals and test lead, thus eliminating the need for a probe.
- **Unbeatable shock resistance**
This instrument will stand up to all kinds of rough use under work site conditions and still provide accurate, stable readings thanks to the highly shock and vibration resistant self-shielding CORE MAGNET TAUT BAND which also eliminates the effects of external magnetic fields.
- **Dustproof**
The meter movement itself is completely enclosed in a dustproof case.
- **Convenient Meter Lock**
To simplify the taking of readings in dark or confined spaces or high overhead, the meter lock stops the needle, making it possible to then move the tester to a place where the user can read off the figure to which the needle was pointing when the lock button was pushed.
- **For both 50 and 60Hz**
Designed for 50 and 60Hz use, a single 3101 can be used to take AC current readings for all commercial frequencies.
- **Circuit protecting fuse provided**
Fuse protection eliminates the possibility of burning either the meter movement or circuit components if, in error, resistance readings are taken while voltage is applied.
- **Test leads and alligator clip provided**
The large test leads and alligator clip make sure of safety when taking voltage and resistance readings.
- **Trouble-free printed circuit system**
- **Carrying case provided**
The hard, durable carrying case will not become distorted when wet in the rain. It is also provided with belt loop so that it can be carried on the waist.
- **Ranges and scales readily distinguished by color**
Range selection and scale reading are greatly simplified and reading error eliminated by the use of different colors, viz. current (black scale on a white ground), voltage (red scale) and resistance (green scale).
- **Wrist strap attached**
This prevents dropping the meter while using it.



AMPERAGE MEASUREMENT



VOLTAGE MEASUREMENT

SPECIFICATIONS

Range of Measurement

AC Amperes (AC A): 6A 15A 60A 150A 300A

AC Voltages (AC V): 150V 300V 600V

Resistance (Ω): 1KΩ (center: 30Ω)

Tolerance

AC Ampere: ±3% of } rated value
 AC Voltage: ±3% of }
 Resistance: ±3% of scale length

Inside Battery and Fuses of Resistance Range

1 piece UM-3 Battery, 1.5 Volts

1 piece 0.5A Fuse in a Glass Tube

Transformer Core ————— (30mm gap)

Tension Resistance ————— 2,000V

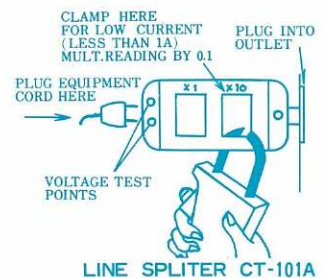
Maximum Circuit Voltage ————— 500V

Size and Weight

210H^{mm} × 86W^{mm} × 42D^{mm} · approx. 400g

Measuring current and voltage of electrical appliances with two-wire connection

Voltage and current readings for such appliances can easily be taken by using the CT-101A line splitter even while such appliances are in use.



Accessories

- Test Lead Wire
- Leather Carrying Case
- 2 pieces 0.5A Fuses
- Optional accessory
- Line Splitter (Type CT-101A)

HIOKI

HIOKI E.E. CORPORATION

MAIN OFFICE, SALES AND MARKETING INTERNATIONAL DEPARTMENT
 6249 SAKAKI-MACHI, HANISHINA-GUN, NAGANO, JAPAN
 OVERSEAS TELEX: 03327-508 TELEPHONE NO.: 02688-2-3030-5,
 BRANCHES
 TOKYO, OSAKA, NAGOYA, FUKUOKA,
 HIOKI NEW YORK CORPORATION
 42-16 235TH STREET, DOUGLSTON, NEW YORK 11363.
 TELEPHONE NO.: 212-224-2404 TELEX NO: 425539