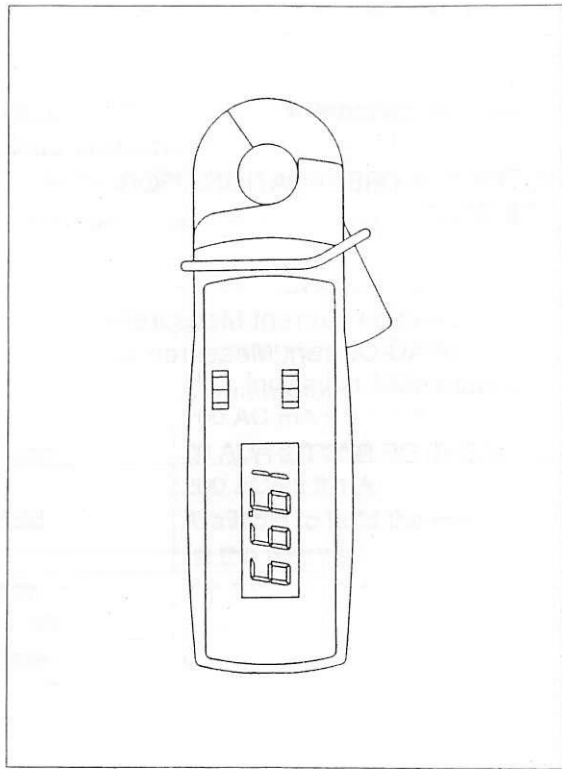


# ACA LEAKAGE TESTER



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## 1. FEATURES

- \* High precision AC mA measurement, it is useful for AC mA leakage current measurement.
- \* Measure AC mA on the inductive conductor.
- \* Miniature type, easy to carry out & operation.
- \* High precision for low ACA leakage current measurement.
- \* Built-in DATA HOLD function.
- \* Crystal time base, high quality.
- \* LCD display allows clear readout-out even at high ambient light level.
- \* LSI circuit provides high reliability and durability.
- \* Overload protection circuit is provided for all range.
- \* Design to meet IEC 1010 safety requirement.
- \* Compact, light weight and excellent operation.

## 2. SPECIFICATIONS

Display	13 mm ( 0.5" ) LCD, 3 1/2 digits. Max. indication 1999.
Measurement & Resolution	200 AC mA x 0.1 mA 20 ACA x 0.01 A 200 ACA x 0.1 A
Data Hold	Available to hold the measuring values on the display.
Accuracy (23 ± 5 °C)	± ( 1.2 % + 5 d ) <i>* Specification be tested on sine wave 50, 60 Hz.</i>
Time Base	Quartz crystal, 32768 Hz.
Overload Circuit Protection	300 ACA max. ( within 1 minute for 20A, 200A range ).
Zero adjustment	Automatic adjustment.
Over input	Display shows '1'.
Sampling Time	Approx. 0.4 second.

Operating Temp.	0 °C to 50 °C ( 32 °F to 122 °F ).
Operating Humidity	Less than 80% RH.
Battery	006P DC 9V battery.
Power Consumption	Approx. DC 1.2 mA.
Weight	200 g/0.44 LB ( including battery ).
Dimension	HWD 180 x 47 x 35 mm. 7.1 x 1.9 x 1.4 inch.
Conductor Size	19 mm Dia.
Accessories Included	Operation manual..... 1 PC. Carrying case..... 1 PC.

### 3. FRONT PANEL DESCRIPTION

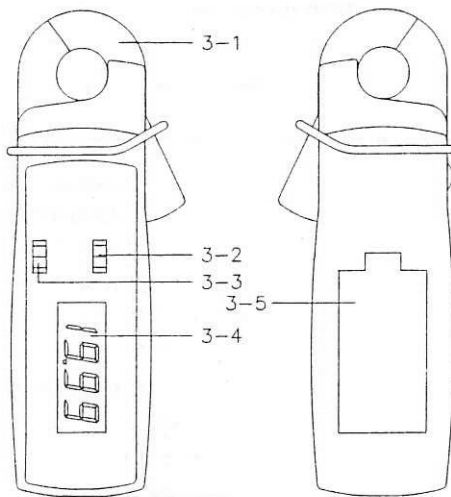


Fig. 1

- |                              |                         |
|------------------------------|-------------------------|
| 3-1 Current Sense Jaw        | 3-4 Display             |
| 3-2 Off/On/Hold Switch       | 3-5 Battery Compartment |
| 3-3 200 mA/20 A/200 A Switch |                         |

## 4. PRECAUTIONS & PREPARATIONS FOR MEASUREMENT

- 1) Ensure that the DC 9V battery is connected correctly to its snap terminal and placed in the battery compartment.
- 2) When apply the " DATA HOLD " function, slide the " Off/On/Hold Switch " ( 3-2, Fig. 1 ) to the " Hold " position. Otherwise it is necessary to slide the " Off/On/Hold switch " to " On " position always.
- 3) Do not measure current over the maximum limit.
- 4) Always select the " Power On/Off/Hold " switch to the " Off " position when the instrument does not use. Remove the battery if the instrument is not to be used for a long period of time.

## 5. MEASURING PROCEDURE

### *5-1 AC mA Leakage Current Measurement*

- 1) Select the " Power On/Off/Hold switch " ( 3-2, Fig.1 ) to the " On " position.
- 2) Select the " 200mA/20A/200A Switch " ( 3-3, Fig. 1 ) to the " 200 mA " position.
- 3) Press the trigger to open the "Current Sense Jaw" ( 3-1, Fig. 1 ). & clamp on the measured conductor only.
- 4) Read AC mA leakage current on the display directly.