

Thank you for your patronage. Before using this instrument, please read thoroughly the instruction manual to obtain best performance.

Features:

- Max. opening size up to 40mm.
- Auto-indication of measuring units and functions.
- With data hold functions.
- Current measurement protection up to 800A.
- Rugged, tough and reliable quality.

Specification

2-1. General Specification:

- Display: 3½ dgt. LCD with max. reading 1999 decimal point and signs.
- Overload: display highest "1" at left side.
- Low battery indication: when LCD displays "BAT" the battery need to be replaced.
- Battery life: about 200 hours.
- Surge response time: 3 seconds.
- Testing time: 3 times per second.
- Data hold: hold every reading the LCD ever display.
- Power supply: 1 pc of battery 006P 9V.
- Insulation voltage endurance: AC 4,000V for 1 minute.
- Operating temperature & humidity: 0° 40°C, below 80% RH.
- Size: 209 (L) x 77 (W) x 36 (H) mm.
- Max. conductor size. 35mm
- Weight: Approx. 260 g (including battery).
- Accessories
Test leads for measuring voltage & resistance, instruction manual, and carrying case each one set.

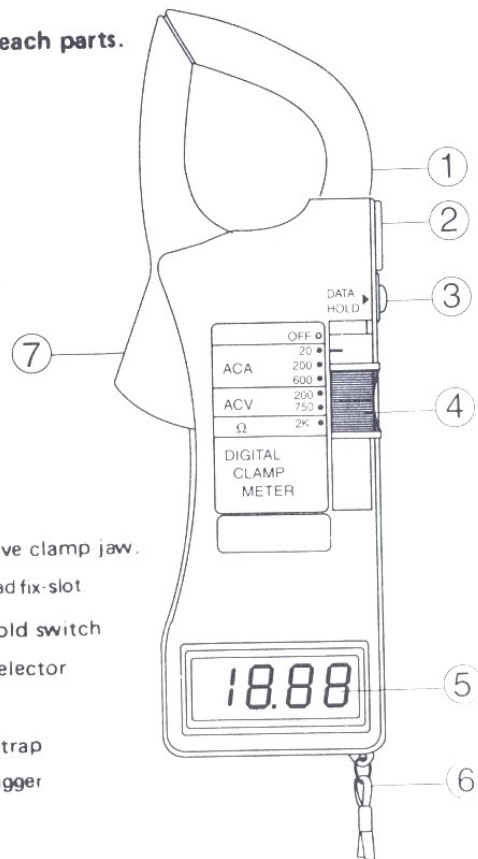
2.2 Electrical specification:

General measurement (18°-28°C, below 80% RH)

Functions	Ranges	Resolution	Accuracy (f. 50~60Hz)	Overload protection
ACA	20A	10mA	± (2%rdg + 5dgt)	800A (30 Seconds)
	200A	100mA	± (2%rdg + 5dgt)	
	600A	1A	± (2%rdg + 5dgt)	
ACV	200V	0.1V	± (1.2%rdg + 3dgt)	DC1000V AC750Vrms
	750V	1V	± (1.2%rdg + 3dgt)	
Ω	2000Ω (2KΩ)	1Ω	± (1%rdg + 2dgt)	AC/DC 350Vrms

Date hold: available for any range.

Name of each parts.



- ① Inductive clamp jaw.
- ② Test lead fix-slot
- ③ Data hold switch
- ④ Rang selector
- ⑤ LCD
- ⑥ Wrist strap
- ⑦ Jaw trigger

Operation

1. Notes:

- Check if the battery is put in correctly.
- Be sure LCD and range indicator show the same as the function desired.
- When changing ranges, please put away tested conductor or circuit to avoid accident.
- Always keep hand through the wrist strap to prevent carelessly dropping the meter. Also any unnecessary vibration and impacts should be avoided so as not to damage the meter itself.
- Do not measure or connect circuit over AC 600 A or 750V.
- When measuring resistance, do not put on voltage between ends since overstrong voltage is liable to lead to malfunction, although there is a protection function.
- Take off test lead of voltage & resistance measurement when measuring current.
- Strong current beside clamp jaw will affect accuracy.
- This meter is not available for DC current & voltage, wave or unordinary AC current measurement, otherwise will cause great error.
- When measuring current, put the tested conductor at middle of clamp jaw to acquire correct reading.

2. ACA measurement

General current measurement

- place range selector to "ACA" region
- Select a proper ACA range (in black letter). Always start from the top range for any unknown current.
- After changing ranges, before to make further measurement, be sure the indicator has displayed AC 000A. Sometimes, due to the effect of temperature and humidity, it will display AC 002A, and that is normal.

- Press the jaw trigger and insert the conductor to be tested to the middle of jaw area.
- Read the indicating value. Highest position "1" at left means overload, and a higher range is required.
- In the case of incapable to read, press the data hold switch. The reading will display lastingly
- To release the reading, just press again the switch.

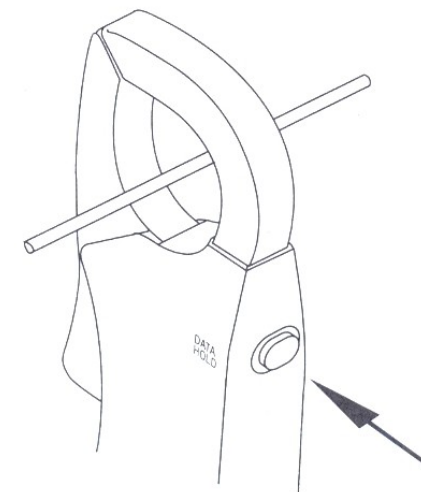


Fig (1)

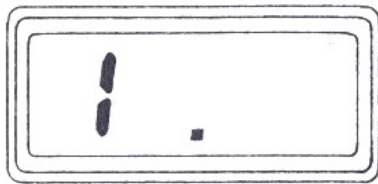


Fig (2)

3. ACV measurement

- Select a proper ACV range 200V or 750V. Start from the top range if the voltage is unknown.
- Connect the test lead of voltage & resistance into the jack of meter.
- Connect the two long ends of test leads to the desired circuit in parallel, and read the indicating value.
- Data hold functions are available for voltage measurement. For operation, please refer to current measurement.

4. Resistance measurement (Ω)

- Adjust the range selector on 2K Ω position.
- Connect the test lead for voltage & resistance measurement into the jack of meter.
- Connect the two long ends of test leads to the desired circuit, and read the indicating value.
- When making resistance measurement, there should be no voltage in circuit. Any capacitor should be discharged first.
- There is only data hold function available for resistance measurement. For operation, please refer to current measurement.

Maintenance

Battery replacement

The sign BAT showing up on the indicator means the battery should be replaced.

- Put off the power switch.
- Take away the test lead or object under test.
- Open the bottom cover in the direction of arrow.
- Loose the battery and the pin with care, and take out the battery.
- Connect the new battery and the pin, put it back to the compartment.
- Put on the cover.



Fig (3)

Storage

- This is a precision instrument. The operation should be in compliance with the above description to avoid damage and danger.
- Keep it away from high temperature, humidity or under direct sunlight.
- Be sure to put it off after use. For long storage, the battery should be taken out lest the leakage of battery liquid damage the interior parts.