

MULTI

DIGITAL CLAMP TESTER

AC/DC CURRENT, AC/DC VOLTAGE, RESISTANCE, FREQUENCY

Model : M-270



FEATURES

- Low cost high performance and average reading AC/DC clamp tester.
- 4000 count full scale display.
- Additional AC/DC voltage, resistance, frequency test, continuity check and diode test function.
- Auto power off and data hold function.
- Convenient push switch for auto zero adjustment in DC current measurement.

SPECIFICATIONS

| | |
|------------------------------------|---|
| AC conversion | : Average sensing RMS reading |
| Safety standard | : IEC 61010-1, IEC 61010-2-032 CAT ? 600V |
| E.M.C. standard | : EN 61326. |
| Withstanding voltage | : AC 5500V, 1minute (Between outer case and core of CT) |
| Measuring method | : Dual integration mode |
| Jaw opening capability | : 55mmØ |
| Display | : 3.5 digit LCD max. reading of 3999 and annunciators |
| Over range indication | : Blanking of all digits except MSD1 (Except AC/DC 2000A range) |
| Low battery indication | : "⊕" mark on LCD readout |
| Sampling | : 2 times/s |
| Data hold indication | : "DH" mark on LCD readout |
| Auto power off | : The meter is set to power off mode approx. 10 minutes after the power switch on. |
| Operating temperature | : 0°C to 40°C, <80%RH (Non-condensing) |
| Storage temperature | : -10°C to 60°C, <70%RH (Non-condensing) |
| Power supply | : 1.5V ("AAA" size R03)×2 |
| Power consumption and battery life | : Approx. 14mW, 100 hours continuous. |
| Size | : 85(W)×240(H)×34(D)? |
| Weight | : Approx. 350g |
| Accessories | : Carrying case.....1 Instruction manual1 Batteries.....2 Test lead.....1 set |

Measuring ranges

| Range | | Resolution | Accuracy | Max. input |
|--|---------|------------|-----------------------------------|------------------|
| ~A (50/60Hz) ... A Manual range | 40A | 0.01A | ± 2% rdg ± 8 dgt | AC/DC 2000A |
| | 400A | 0.1A | ± 1.5% rdg ± 8dgt | |
| | 2000A | 1A | | |
| ~V (50/60Hz) ... V Auto/Manual range | 400mV | 0.1mV | ± 1.2% rdg ± 8dgt (50/60Hz) | AC/DC 600V rms |
| | 4V | 0.001V | | |
| | 40V | 0.01V | | |
| | 400V | 0.1V | | |
| Hz Frequency Auto range | 100Hz | 0.01Hz | ± 0.5% rdg ± 3dgt | AC/DC 600V rms |
| | 1000Hz | 0.1Hz | | |
| | 10kHz | 0.001kHz | | |
| | 100kHz | 0.01kHz | | |
| | 1000kHz | 0.1kHz | | |
| Ω (Resistance) Auto/Manual range | 400Ω | 0.1Ω | ± 1.5% rdg ± 8dgt | input protection |
| | 4kΩ | 0.001kΩ | | 250V rms |
| | 40kΩ | 0.01kΩ | | |
| | 400kΩ | 0.1kΩ | | |
| | 4000kΩ | 1kΩ | | |
| | 40MΩ | 0.01MΩ | ± 3% rdg ± 10dgt | |
| Continuity check | 400Ω | 0.01Ω | Continuity beeper Approx. <40Ω | 250V rms |
| Diode test | 3V | 0.001V | ± 10% rdg ± 3dgt | 250V rms |