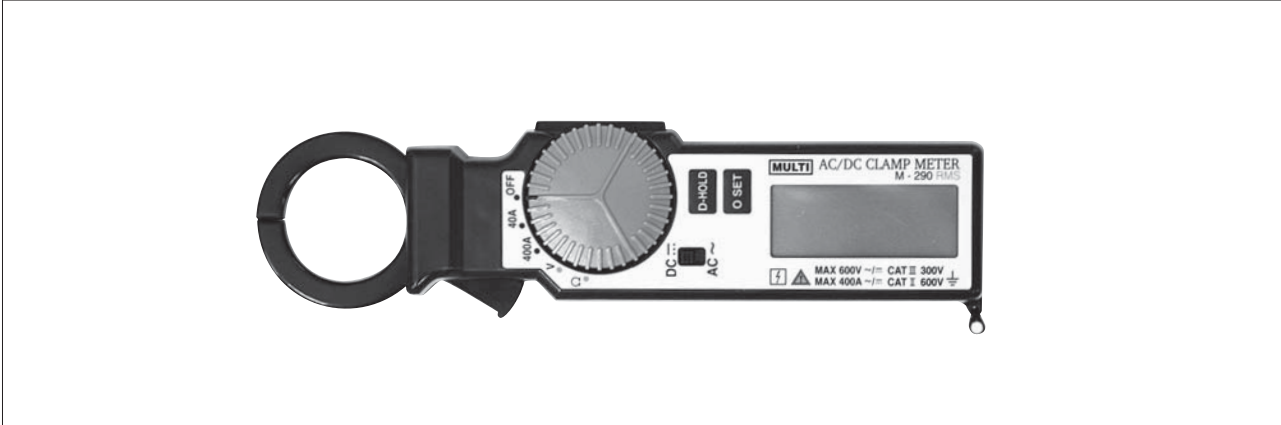


TRUE-RMS AC/DC MINI CLAMP TESTER

Model 290 RMS



FEATURES

- 30mm ϕ CT window and compact size.
- 4000 count full scale display and true-rms reading for AC current.
- Conform to IEC safety requirements (IEC 61010-1, 61010-2-032 CAT II 600V).
- One push zero adjust function for DC current range.

SPECIFICATIONS

- Measuring function : AC/DC current, AC/DC voltage and Resistance
- Measuring method : Clamp CT
- Jaw opening capability : 30mm ϕ
- Measuring ranges : AC/DC 40A/400A manual, AC/DC 60V/600V auto, Resistance 0-1000 Ω
- Change of measuring range : By rotary switch
- AC current detection : True-rms detection
- A/D conversion : Successive approximation method
- Display : Max. 4000 count on LCD with annunciator
- Over range indication : "OL" mark on LCD
- Data hold indication : "DH" mark on LCD
- Zero adjustment : For DC current range, by "O ADJ" switch
- Sampling rate : 2 times/sec.
- Low battery indication : "B" mark on LCD
- Circuit voltage : less than AC/DC 500V
- Operating temperature : 0~40 $^{\circ}$ C, < 80%RH (without condensation)
- Storage temperature : -10~60 $^{\circ}$ C, < 70%RH (without condensation)
- Withstanding voltage : AC 3700V/1 minute between CT and outer case
- Auto power off : Approx. 10 minutes after power on
- Power supply : UM-4 \times 3
- Dimension : 44(W) \times 180(H) \times 24(D)mm
- Accessories : Soft Case, Test Lead, Batteries, Instruction Manual
- Accuracy (2 $^{\circ}$ C \pm 35 $^{\circ}$ C, less than 80%RH)

| Range | Resolution | Accuracy |
|------------|--------------|----------------------------------|
| DC 40A | 0.01A | $\pm 1.5\%rdg \pm 3dgt$ |
| DC 400A | 0.1A | $\pm 1.5\%rdg \pm 5dgt$ |
| AC 40A | 0.01A | $\pm 1.5\%rdg \pm 5dgt(50/60Hz)$ |
| AC 400A | 0.1A | $\pm 1.5\%rdg \pm 8dgt(50/60Hz)$ |
| AC 60/600V | 0.01V | $\pm 1.0\%rdg \pm 8dgt$ |
| DC 60/600V | 0.01V | $\pm 1.0\%rdg \pm 6dgt$ |
| Ω | 0.1 Ω | $\pm 1.5\%rdg \pm 8dgt$ |

Crest Factor : less than 2.5