

# MINI DIGITAL CLAMP TESTER

AC/DC CURRENT, AC/DC VOLTAGE, RESISTANCE

## Model 280

φ 30 AC 1000A DC 1000A AC DC V Ω DATA HOLD MAX/MIN HOLD



### FEATURES

- 30mmφ CT window and ultra compact size
- Low cost and multi-function clamp tester.
- Max. & Min.hold function
- Data-hold function and auto power off.
- One push zero adjust function for DC current range

### SPECIFICATIONS

|                        |   |
|------------------------|---|
| Safety Standard        | : IEC 61010-1, 61010-2-032 CAT II 600V  |
| Measuring method       | : Successive approximation mode   |
| Display                | : 4 digit LCD max. reading of 9999  |
| Measuring range        | : AC Current 1000A<br>DC Current 1000A<br>AC Voltage 500V<br>DC Voltage 500V<br>Resistance 600Ω       |
| Jaw opening capability | : 30mmφ   |
| Over range indication  | : "OL" mark on LCD.   |
| Low battery indication | : "B" mark on LCD   |
| Data hold indication   | : "DH" mark on LCD  |
| Max. display function  | : "Max" mark on display, indicating max. value during measurement.                                    |
| Min. display function  | : "Min" mark on display, indicating min. value during measurement.                                    |
| O adjustment           | : for DC current range, can make display to 0 by ADJ switch.  |
| Sampling time          | : 2 times/sec   |
| Circuit voltage        | : less than AC/DC 500V.   |
| Withstanding voltage   | : AC 3700V 1 minute max. (Between the core of CT and outer case)                                      |
| Operating temperature  | : 0°C to ~40°C < 80%RH (without condensing)   |
| Storage temperature    | : -10°C to ~60°C < 70%RH (without condensing)   |
| Power supply           | : SR-44(1.55V)×2 or LR-44×2   |
| Battery life           | : SR-44, LR-44  |
| Power Consumption      | : Approx. 12mW  |
| Size                   | : 44.5 (W)×177(H)×24(D)mm   |
| Weight                 | : Approx. 95g   |
| Accessories            | : Soft case ..... 1<br>Instruction manual ..... 1<br>Batteries, LR-44(1.55V) · 2<br>Test Lead ..... 1 |

Accuracy (AC: 50/60Hz)

| Range           | Resolution | Accuracy      |
|-----------------|------------|---------------|
| DC 0~600A       | 0.1A       | ±1.5%rdg±6dgt |
| DC 600.1~999.9A | 0.1A       | ±3.0%rdg±6dgt |
| AC 0~600A       | 0.1A       | ±1.5%rdg±8dgt |
| AC 600.1~999.9A | 0.1A       | ±3.0%rdg±8dgt |
| AC 0~500V       | 0.1V       | ±1.0%rdg±8dgt |
| DC 0~500V       | 0.1V       | ±1.0%rdg±6dgt |
| Ω 0~600         | 0.1Ω       | ±1.5%rdg±8dgt |

## Model 290 RMS

φ 30 AC 400A DC 400A DATA HOLD AUTO POWER OFF RMS AC DC V Ω



### FEATURES

- 30mmφ CT window and compact size.
- 4000 count full scale display and true-rms reading for AC current.
- One push zero adjust function for DC current range.

### SPECIFICATIONS

|                           |  |
|---------------------------|--|
| Safety Standard           | : IEC 61010-1, 61010-2-032 CAT II 600V                           |
| Measuring function        | : AC/DC current, AC/DC voltage and Resistance                    |
| Measuring method          | : Clamp CT   |
| Jaw opening capability    | : 30mmφ  |
| Measuring ranges          | : AC/DC 40A/400A manual, AC/DC 60V/600V auto, Resistance 0-1000Ω |
| 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°C, < 80%RH (without condensation)                         |
| Storage temperature       | : -10~60°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-4×3   |
| Dimension                 | : 44(W)×180(H)×24(D)mm   |
| Accessories               | : Soft Case, Test Lead, Batteries, Instruction Manual            |
| Accuracy (AC: 50/60Hz)    |  |

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

Crest Factor : less than 2.5