

DIGITAL DUAL DISPLAY TRUE RMS CLAMP METER DT2250

APPLICATION: This is a 3½ Digits Dual Display True RMS Clamp Meter with Backlight. This instrument can be used to measure, AC/DC Voltage, AC Current, Resistance, Capacitance, Temperature, Frequency and other parameters. It is an ideal tool for the Electricians, Engineers, Factories, Industries, Laboratories, Students, Household.

FEATURES:

- Display: 3½ Digits with 5999 Count
- Dual Display
- Clamp Jaw Opening Size: 51mm
- Continuity & Diode
- Data Hold Function
- Over Range Indication,
- Overload Protection
- Low Battery Indication
- Auto Power off: After 15 minutes from last key operation
- Backlight
- Reading rate: 3 times/ second
- Operating Temperature & Humidity: 0°C To 40°C, <80%RH
- Storage Temperature & Humidity: -10°C To 60°C, <80%RH
- **Measuring Category: CATIII 1000V**
- Power supply: 9 Volt Battery
- Dimension: 235×90×45mm
- Weight: 330gm Including Battery



SPECIFICATION:

DC Voltage

| Ranges | Resolution | Accuracy |
|--------|------------|-------------------------|
| 600mV | 0.1mV | ± (0.5% of reading + 7) |
| 6V | 0.001V | |
| 60V | 0.01V | |
| 600V | 0.1V | |
| 1000V | 1V | ± (1.2% of reading + 7) |

-Input impedance: 10MΩ(all ranges)

AC Voltage

| Ranges | Resolution | Accuracy |
|--------|------------|-------------------------------|
| 6V | 0.001V | ± (1% of reading + 15words) |
| 60V | 0.01V | |
| 600V | 0.1V | |
| 750V | 1V | ± (2.5% of reading + 15words) |

-Input impedance: 10MΩ.

Over load Protection: 1000V DC or 750V AC (Effective Values),

-Response: True Effective value

- Maximum input voltage: 750V AC (Effective value)

-Frequency Response: 40Hz~1kHz

AC CURRENT(50Hz-1000Hz)

| RANGE | RESOLUTION | ACCURACY |
|-------|------------|-------------------------|
| 60A | 0.01A | ±(2.5% + 25) |
| 600A | 0.1A | ±(2.5% + 20) |
| 1000A | 1A | 0-800A ±(2.5% + 25) |
| | | 800-1000A ±(5.5% + 25) |

Maximum input Current: 1000A

Response: True RMS

RESISTANCE

| RANGE | RESOLUTION | ACCURACY |
|-------|------------|-------------------------|
| 600Ω | 0.1Ω | ±(1.8% of reading + 20) |
| 6kΩ | 0.001kΩ | ±(1.2% of reading + 20) |
| 60kΩ | 0.01kΩ | |
| 600kΩ | 0.1kΩ | |
| 6MΩ | 0.001MΩ | ±(1.5% of reading + 20) |
| 60MΩ | 0.01MΩ | ±(2.0% of reading + 5) |

Overload protection: 250V DC or 250V AC peak

FREQUENCY :

| RANGE | RESOLUTION | ACCURACY |
|--------|------------|------------------------|
| 100Hz | 0.01Hz | ±(2.5% of reading + 5) |
| 1kHz | 0.1Hz | |
| 10kHz | 0.001kHz | |
| 100kHz | 0.01kHz | |
| 1MHz | 0.1kHz | |
| 6MHz | 0.001MHz | |



Over load Protection: 250V DC or AC peak

CAPACITANCE

| RANGE | RESOLUTION | ACCURACY |
|-------|------------|-------------------------|
| 60nF | 0.01nF | ±(5.0% of reading + 30) |
| 600nF | 0.1nF | ±(3.5% of reading + 25) |
| 6μF | 1nF | |
| 60μF | 0.01μF | |
| 600μF | 0.1μF | |
| 6mF | 0.001mF | ±(5.0% of reading + 20) |

Overload protection: 250V DC or AC peak

DIODE & CONTINUITY

| RANGE | DISPLAY | MEASUREMENT CONDITION |
|---|---------------------------------------|---------------------------------|
|  | Diode forward voltage drop | Backward voltage about 3.9V |
|  | Beeper sounding resistance value <50Ω | Open circuit voltage about 2.0V |

Overload protection: 250V DC or 250V AC peak

TEMPERATURE:

| RANGE | RESOLUTION | ACCURACY |
|----------------------------------|-------------|----------------------|
| -30~0°C (-22°F ~32°F) | 0.1°C (1°F) | ±(5% of reading + 3) |
| 0~400°C (32°F ~752°F) | | ±(2% of reading + 5) |
| 400°C ~1000°C (752°F ~1832°F) | | ±(2% of reading + 5) |

ACCESSORIES:

Instruction Manual, 1 Set of Test Lead, 1 pc Temperature Probe, 1pc 9V Battery & carrying Pouch.

