

DIGITAL DUAL DISPLAY TRUE RMS CLAMP METER DT3600

APPLICATION: This is a 3% Digits Dual Display True RMS Clamp Meter with Backlight. This instrument can be used to measure AC/DC voltage, AC/DC Current, Resistance, Capacitance, Temperature, Frequency, Duty Cycle and other parameters. It is an ideal tool for the Electricians, Engineers, Factories, Industries, Laboratories, Students, Household.

FEATURES:

- Display: 3% Digits with 5999 Count
- True RMS 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	± (1.2% of reading + 7)
1000V	1V	

-Input impedance: 10MΩ(all ranges)

AC Voltage

Ranges	Resolution	Accuracy
6V	0.001V	± (1% of reading + 15words)
60V	0.01V	
600V	0.1V	
1000V	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: 1000V AC (Effective value)

-Frequency Response: 40Hz~1kHz

AC CURRENT(50Hz-1000Hz)

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

Maximum input Current: 1000A
 Response: True RMS

DC CURRENT

RANGE	RESOLUTION	ACCURACY
600A	0.1A	$\pm(3.5\% + 10)$
1000A	1A	$\pm(4.5\% + 10)$

RESISTANCE

RANGE	RESOLUTION	ACCURACY
600Ω	0.1Ω	$\pm(1.8\% \text{ of reading} + 20)$
6kΩ	0.001kΩ	$\pm(1.2\% \text{ of reading} + 20)$
60kΩ	0.01kΩ	
600kΩ	0.1kΩ	
6MΩ	0.001MΩ	$\pm(1.5\% \text{ of reading} + 20)$
60MΩ	0.01MΩ	$\pm(2.0\% \text{ of reading} + 5)$

Overload protection: 250V DC or 250V AC peak

FREQUENCY :

RANGE	RESOLUTION	ACCURACY
100Hz	0.01Hz	$\pm(2.5\% \text{ of reading} + 5)$
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	$\pm(5.0\% \text{ of reading} + 30)$
600nF	0.1nF	$\pm(3.5\% \text{ of reading} + 25)$
6μF	1nF	
60μF	0.01μF	
600μF	0.1μF	
6mF	0.001mF	$\pm(5.0\% \text{ of reading} + 20)$

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)	$\pm(5\% \text{ of reading} + 3)$
0~400°C (32°F ~752°F)		$\pm(2\% \text{ of reading} + 5)$
400°C ~1000°C (752°F ~1832°F)		$\pm(2\% \text{ of reading} + 5)$

ACCESSORIES:

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

