DIGITAL AC/DC TRUE RMS CLAMP METER DT9381A

APPLICATION: Professional 1000A AC, AC/DC True RMS Clamp Meters with TFT color LCD display
The clamp meters provide fast A/D converting sampling time, high accuracy, built-in datalogging offer all needed features for measurement. It is with modern bodies and jaws design for perfect handheld and tight place testing. A large backlit display is easy to see and a handy data hold keeps measurements on the display.

FEATURES:

- Display: 3½ Digits with 6000 Count
- AC True RMS
- Clamp Jaw Opening Size: 35 mm
- NCV Function
- Continuity & Diode
- Data Hold and peak hold Function
- REL (Zero) Function
- Auto Power off
- Low Battery indication
- Low input impedance prevents false readings due to “ghost voltage” (LoZ)
- Low pass filter for accurate measurement of variable frequency drive (VFD) signals
- Backlight & flashlight
- Clamp Light
- 100ms Inrush Current
- Operating Temperature & Humidity: 5°C To 40°C, <80%RH
- Storage Temperature & Humidity: -20°C To 60°C, <80%RH
- Measuring Category: CATIII 1000, CAT IV 600V
- Power supply: 1.5V AAA x 3 batteries
- Dimension: 250×78×40mm
- Weight: 350gm Including Battery
- Accessories: Instruction Manual, 1 Set of Test Lead, Test leads, gift box with carrying case, Temperature probe and 1.5V AAA x 3 batteries.

SPECIFICATION:

AC Current (50/60Hz)

Range & Resolution	Best Accuracy
600.0A	±(2.5% + 8 digits)
1000A	±(2.8% + 8 digits)

MEXTECH™
INSTRUMENTS OF TOMORROW

CE RoHS

DC Current

Range & Resolution	Best Accuracy
600.0A	± (2.5% + 8 digits)
1000A	±(2.8% + 8 digits)

Over range protection: Maximum input 1000A
Accuracy specified from 5% to 100% of the measuring range. Frequency Response: 50Hz to 60Hz True RMS. Inrush current Maximum Input: 1000A.

AC Voltage 50-400Hz

Range & Resolution	Best Accuracy
6.000V	±(1.5% + 5 digits)
60.00V	
600.0V	
1000V	

Variable frequency drive test ac voltage rang: 100V-600V.AC voltage bandwidth: 50 to 400Hz (Sine); 50/60(All wave). Accuracy specified from 5% to 100% of the measuring range. Maximum Input: 1000V AC rms. VFD, PEAK Maximum Input: 1000V.

LoZ AC Voltage 50-400Hz

Range & Resolution	Best Accuracy
6.000V	±(3.0% + 40 digits)
60.00V	
300.0V	

Maximum Input: 300V AC

DC Voltage

Range & Resolution	Best Accuracy
600.0mV	±(0.5% + 5 digits)
6.000V	±(1.5% + 2 digits)
60.00V	
600.0V	
1000V	

Maximum Input: 1000V DC

RESISTANCE:

Range & Resolution	Best Accuracy
600.0Ω	±(1.0% + 4 digits)
6.000KΩ	±(1.5% + 2 digits)
60.00KΩ	
600.0KΩ	
6.000MΩ	±(2.5% + 3 digits)
60.00MΩ	±(3.5% + 5 digits)

Input Protection: 300V dc or 300V Ac rms

CAPACITANCE:

Range & Resolution	Best Accuracy
60.00nF	±(4.0% + 20 digits)
600.0 nF	±(3% + 5 digits)
6.000 µF	
60.00 µF	
600.0 µF	
6.000mF	±(5% + 5 digits)
60.00mF	±(5% + 8 digits)
100.0mF	±(5% + 15 digits)

Input Protection: 300V dc or 300V AC rms

FREQUENCY:

Range & Resolution	Best Accuracy
9.999Hz to 99.99khz	±(1.2% + 5 digits)

Sensitivity. =>5Vrms

DUTY CYCLE:

Range & Resolution	Best Accuracy
10.0% to 90.0%	±(1.2% + 2 digits)

Sensitivity: =>5Vrms
Input Protection: 300V dc or 300V ac rms

TEMPERATURE TYPE K:

Range & Resolution	Best Accuracy
-20.0 to 1000°C	±(3% + 5°C)
- 40 to 1832°F	±(3% + 9°F)

Note: Accuracy is given as % of reading + counts of least significant digit) at 23°C÷5°C, with relative humidity less than 80%RH.
Note: AC voltage and current shall be subject to sine wave.