



HT4010

Rel. 1.01 - 20/10/09

600A AC clamp-on meter

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1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as $\pm$ (%reading + number of dgt) at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, $<80\%\text{RH}$

DC VOLTAGE

Range	Resolution	Accuracy	Overload protection
200.0mV	0.1mV	$\pm(0.8\%rdg+2dgt)$	600VDC/AC RMS
2.000V	0.001V	$\pm(1.5\%rdg+2dgt)$	
20.00V	0.01V		
200.0V	0.1V		
600V	1V	$\pm(2.0\%rdg+2dgt)$	

Input impedance: $10\text{M}\Omega$

AC VOLTAGE

Range	Resolution	Accuracy (50 ~ 60Hz)	Overload protection
200.0mV	0.1mV	$\pm(1.5\%rdg+3.5mV)$	600VDC/AC RMS
2.000V	0.001V	$\pm(1.8\%rdg+8dgt)$	
20.00V	0.01V		
200.0V	0.1V		
600V	1V	$\pm(2.5\%rdg+8dgt)$	

Input impedance: $10\text{M}\Omega$

AC CURRENT

Range	Resolution	Accuracy (50 ~ 60Hz)	Overload protection
2.000A	0.001A	$\pm(2.5\%rdg+10dgt)$	600ARMS
20.00A	0.01A	$\pm(2.5\%rdg+4dgt)$	
200.0A	0.1A		
600.0A	1A	$\pm(4.0\%rdg+8dgt)$	

Bandwidth: $50 \div 60\text{Hz}$

RESISTANCE AND CONTINUITY TEST

Range	Resolution	Accuracy	Buzzer	Overload protection
200.0Ω	0.1Ω	±(1.0%rdg+4dgt)	≤150Ω	250VDC/AC RMS
2.000kΩ	0.001kΩ	±(1.5% rdg+2dgt)		
20.00kΩ	0.01kΩ			
200.0kΩ	0.1kΩ			
2.000MΩ	0.001MΩ	±(2.5% rdg+3dgt)		
20.00MΩ	0.01MΩ	±(3.5% rdg+5dgt)		

DIODE TEST

Range	Test current	Open voltage
	0.3mA typical	1.5VDC



2. GENERAL SPECIFICATIONS

Display:

- LCD, 3 ½ dgt, 2000 points plus sign and decimal point
- Automatic polarity indication
- Backlight

Measuring rate:

- 2 times/second
- Conversion: mean value

Low battery indication:

- "BAT" appears when the battery voltage is low

Operating temperature:

- 5°C to 40°C, <80 %RH

Storage temperature:

- -20°C to 60°C, <80%RH

General information:

- Max altitude: 2000m
- Pollution degree: 2
- Insulation: double insulation
- Max. diameter conductor: 30mm

Power supply:

- 1x9V battery NEDA 1604 IEC 6F22
- AutoPowerOFF after 15 minutes of idleness

Size:

- 197(L)x70(W)x40(H) mm

Weight:

- 180g (included battery)

Applied standards:

- LVD: IEC/EN 61010-1 CAT III 600V to ground
- EMC: EN60326

This product conforms to the prescriptions of the European directive on low voltage 2006/95/EEC and to EMC directive 2004/108/EEC