



1. ELECTRICAL SPECIFICATIONS

Accuracy is calculated as [% rdg + (number of dgt) x resolution]. It is referred to 25°C ± 5°C, <80%RH

DC Voltage (Autorange)

Range	Resolution	Accuracy	Input impedance	Overload protection
200.0mV	0.1mV	$\pm(1.0\%rdg + 3dgt)$	10M Ω	1000VDC/ACrms
2.000V	0.001V			
20.00V	0.01V			
200.0V	0.1V			
1000V	1V			

AC Voltage (Autorange)

Range	Resolution	Accuracy	Input impedance	Bandwidth	Overload protection
200.0mV	0.1mV	±(1.5%rdg + 15dgt)	10MΩ	50 ÷ 60Hz	1000VDC/ACrms
2.000V	0.001V	±(1.0%rdg + 4dgt)			
20.00V	0.01V				
200.0V	0.1V				
1000V	1V				

Integrated sensor for AC voltage detection: LED turn on for phase-earth voltage > 100V, 50/60Hz

AC Current

Range	Resolution	Accuracy	Bandwidth	Overload protection
2.000A	0.001A	±(2.5%rdg + 10dgt)	50 ÷ 60Hz	600Arms
20.00A	0.01A	±(2.5%rdg + 4dgt)		
200.0A	0.1A			
600.0A	1A	±(3.0%rdg + 4dgt)		

Resistance and Continuity test (Autorange)

Range	Resolution	Accuracy	Buzzer	Overload protection
200.0 Ω	0.1 Ω	$\pm(1.0\%rdg + 5dgt)$	$\leq 100\Omega$	600VDC/ACrms
2.000k Ω	0.001k Ω			
20.00k Ω	0.01k Ω			
200.0k Ω	0.1k Ω			
2.000M Ω	0.001M Ω	$\pm(2.0\%rdg + 10dgt)$		
20.00M Ω	0.01M Ω			

Test current of continuity test: < 0.5mA

Diode test

Feature	Test current	Open voltage
	0.3mA typical	1.5VDC

**HT9012**

Rel. 1.02 of 12/07/10

AC clamp meter up to 600A

Pag 2 of 2

2. GENERAL SPECIFICATIONS

Mechanical characteristics

Size:	215(L) x 74(La) x 43(H)mm
Weight (including battery):	285g
Max conductor size:	30mm

Supply

Battery type:	1 battery 9V NEDA 1604 IEC 6F22 JIS 006P.
Low battery indication:	“  ” is displayed when the battery level is too low.
Auto power OFF:	about 15 minutes of idleness

Display

Characteristics:	3½ LCD (max 2000 counts), decimal point, unit symbol indication and backlight
Sample rate:	2 times/sec
Conversion mode:	mean value

Climatic conditions

Reference temperature:	25°C ± 5°C
Operating temperature:	5 ÷ 40 °C
Operating humidity:	<80%RH
Storage temperature:	-20 ÷ 60 °C
Storage humidity:	<80%RH

Reference standards

Comply with:	IEC/EN 61010-1
Insulation:	double insulation
Pollution:	Level 2
For inside use, max height:	2000m
Installation category:	CAT III 600V, CAT III 1000V to ground

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

