



1. ELECTRICAL SPECIFICATIONS

Accuracy is given as $\pm$ (% of reading + no. of least significant digits) at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, with relative humidity Less than 80% R.H.

DC VOLTAGE

Range	Resolution	Accuracy	Overload protection
600.0mV	0.1mV	$\pm(0.5\%\text{rdg}+2\text{dgt})$	1000VDC 750Vrms
6.000V	0.001V		
60.00V	0.01V		
600.0V	0.1V		
1000V	1V		

Input impedance: $10\text{M}\Omega$ // less 100pF

AC VOLTAGE (TRMS)

Range	Resolution	Accuracy (50~500Hz)	Overload protection
600.0mV	0.1mV	$\pm(0.9\%\text{rdg}+5\text{dgt})$	1000VDC 750Vrms
6.000V	0.001V		
60.00V	0.01V		
600.0V	0.1V		
750V	1V		

Input impedance: $10\text{M}\Omega$ // less 100pF

Crest factor: ≤ 3

DC CURRENT

Range	Resolution	Accuracy	Output voltage	Overload protection
600.0 μA	0.1 μA	$\pm(1.0\%\text{rdg}+2\text{dgt})$	<4mV/ μA	600Vrms
6000 μA	1 μA		2V max	Fast fuse 10A / 1000V
6.000A	1mA			
10A	10mA			

AC CURRENT (TRMS)

Range	Resolution	Accuracy 50 ~ 500Hz	Output voltage	Overload protection
6.000A	1mA	$\pm(1.5\%\text{rdg}+5\text{dgt})$	2V max	Fast fuse 10A / 1000V
10A	10mA			

RESISTANCE

Range	Resolution	Accuracy	Open voltage	Overload protection
600.0 Ω	0.1 Ω	$\pm(0.7\%\text{rdg}+2\text{dgt})$	1.3V	600Vrms
6.000k Ω	0.001k Ω			
60.00k Ω	0.01k Ω			
600.0k Ω	0.1k Ω			
6.000M Ω	0.001M Ω	$\pm(1.0\%\text{rdg}+2\text{dgt})$		
60.00M Ω	0.01M Ω	$\pm(1.5\%\text{rdg}+2\text{dgt})$		



HT32

Rel. 1.01 of 22/10/07

TRMS digital multimeter up to 6000 counts

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FREQUENCY

Range	Resolution	Accuracy	Sensitivity	Overload protection
6000Hz	1Hz	$\pm(0.1\%rdg+1dgt)$	100mVrms	600Vrms
60.00kHz	0.01kHz		250mVrms	
600.0kHz	0.1kHz		1Vrms	
6.000MHz	0.001MHz			
60.00MHz	0.01MHz			

CAPACITANCE

Range	Resolution	Accuracy	Overload protection
6.000nF	0.001nF	$\pm(1.9\%rdg+8dgt)$	600Vrms
60.00nF	0.01nF		
600.0nF	0.1nF		
6.000μF	0.001μF		
60.00μF	0.01μF		
600.0μF	0.1μF		
6.000mF	0.001mF		

DIODE TEST

Range	Resolution	Accuracy	Test current	Open Voltage
	10mV	$\pm(1.5\%rdg+5dgt)$	1.5mA	<3V

Overload protection: 600Vrms

TEST CONTINUITY

Range	Buzzer	Overload protection
	R<500Ω	600Vrms



2. GENERAL SPECIFICATIONS

Display:

- LCD display, 4 digit with maximum reading 6000 counts.
- Automatic polarity indication.
- "OL" over range indication

Features:

- MAX and MIN
- HOLD
- Manual Range selection
- AutoPowerOFF after 10 minutes

Measuring rate:

- 1.5 times per second.

Low battery indicator:

- The "  " appears when the battery voltage is low

Operating temperature:

- 0°C to 30 °C, <80%RH

Storage temperature:

- -20°C to 60°C, <80%RH

General informations:

- Altitude up to 2000m
- Pollution degree: 2
- Insulation: class 2 (double insulation)

Power supply:

- Single 9V alkaline battery type NEDA1604, JIS006P, IEC6F22

Dimension(with holster):

- 164(L)x82(W)x44(H) mm.

Weight (included battery):

- 400g

Applied standards:

- LVD: EN 61010-1 CAT IV 600V – CAT III 1000V
- 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