

HT14D

Compact digital multimeter



Mini-Multimeter HT14D

HT14D is a compact digital multimeter capable of carrying out **measurements of AC/DC voltage up to 500V, DC current up to 200mA** as well as resistance, diode test and 9V alkaline battery test. The instrument is provided with double insulation protection and designed according with IEC/EN61010-1 standards complying with CAT III 300V. HT14D is featured by a wide LCD. Each function can be selected through a practical range switch. It is also provided with Data HOLD to keep visualization of displayed values.

Function

- DC Voltage
- AC Voltage
- DC Current
- Resistance
- Diode test
- Battery test
- Data HOLD

STANDARD Accessory

- KIT4000A : Couple of test leads with tip 2mm
- Battery
- User manual



1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as \pm [% reading + (number dgt * resolution)] at 18°C ÷ 25°C, <75%HR

DC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
200.0mV	0.1mV	$\pm(0.5\%rdg+2dgt)$	> 1M Ω	200Vrms
2000mV	1mV			
20.00V	0.01V			
200.0V	0.1V	$\pm(0.5\%rdg+4dgt)$	> 1M Ω	500V DC/AC
500V	1V			

AC VOLTAGE

Range	Resolution	Accuracy (50 ÷ 60Hz)	Input impedance	Overload protection
200.0V	0.1V	$\pm(1.2\%rdg+10dgt)$	> 1M Ω	500V DC/AC
500V	1V			

DC CURRENT

Range	Resolution	Accuracy	Overload protection
2000 μ A	1 μ A	$\pm(1.2\%rdg+2dgt)$	Fast Fuse 200mA / 600V
200.0mA	0.1mA	$\pm(1.5\%rdg+2dgt)$	

RESISTANCE

Range	Resolution	Accuracy	Overload protection
200.0 Ω	0.1 Ω	$\pm(0.8\%rdg+4dgt)$	250Vrms < 15sec
2000 Ω	1 Ω		
20.00k Ω	0.01k Ω		
200.0k Ω	0.1k Ω	$\pm(1.5\%rdg+2dgt)$	
2000k Ω	1k Ω		

BATTERY TEST

Range	Resolution	Accuracy	Overload protection
9V	10mV	$\pm(1.2\%rdg+2dgt)$	250Vrms < 15sec



2. GENERAL SPECIFICATIONS

Display:

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

Features:

- Data HOLD

Low battery indication:

- "BAT" appears when the battery voltage is low

Operating temperature:

- 0°C to 50°C, <70%HR

Storage temperature:

- -20°C to 60°C, <80%HR

General information:

- Max altitude: 2000m
- Pollution degree: 2
- Insulation: double insulation

Power supply:

- 1x12V battery type MS21 / MN21
- Protection fuse: fast 200mA/600V, 5x20mm (mA μ A input)

Dimensions:

- 105(L) x 50(W) x 25(H) mm

Weight (included battery):

- 100g

Applied standards:

- Safety : IEC/EN61010-1 CAT III 300V, CAT II 600V to ground
- EMC: IEC/EN60326-1

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