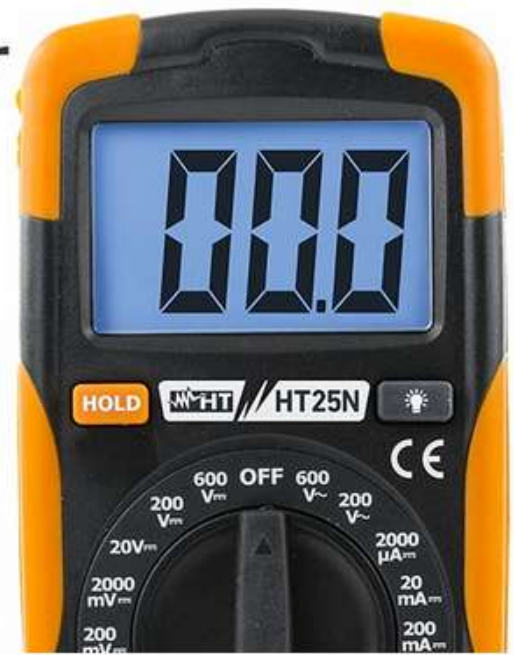


HT25N

Compact digital multimeter with 2000 points

Compact Multimeter HT25N



HT25N is a compact digital multimeter capable of carrying out **measurements of AC/DC voltage up to 600V, DC current up to 10A** as well as resistance, continuity test, diode test and alkaline 9V and 1.5V battery test. The instrument is provided with double insulation protection and designed according with IEC/EN61010-1 standards complying with CAT III 600V. HT25N is featured by a wide backlit 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 and continuity test with buzzer.
- Diode test
- Battery test
- Data HOLD
- Backlight



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	$\pm(0.7\%rdg+3dgt)$	> 1M Ω	200Vrms
2000mV	1mV			600V DC/AC
20.00V	0.01V			
200.0V	0.1V	$\pm(1.0\%rdg+3dgt)$	> 1M Ω	600V DC/AC
600V	1V			

AC VOLTAGE

Range	Resolution	Accuracy (50 ÷ 60Hz)	Input impedance	Overload protection
200.0V	0.1V	$\pm(1.5\%rdg+12dgt)$	> 1M Ω	600V DC/AC
600V	1V			

DC CURRENT

Range	Resolution	Accuracy	Voltage drop	Overload protection
2000 μ A	1 μ A	$\pm(1.5\%rdg+3dgt)$	200mV	Fast Fuse 200mA / 600V
20.00mA	0.01mA			
200.0mA	0.1mA			
10.00A	0.01A	$\pm(2.5\%rdg+2dgt)$		Fast Fuse 10A / 600V

RESISTANCE AND CONTINUITY TEST

Range	Resolution	Accuracy	Buzzer	Overload protection
200.0 Ω	0.1 Ω	$\pm(1.2\%rdg+4dgt)$	<30 Ω	250Vrms < 15sec
2000 Ω	1 Ω			
20.00k Ω	0.01k Ω			
200.0k Ω	0.1k Ω			
2000k Ω	1k Ω	$\pm(1.5\%rdg+2dgt)$		

DIODE TEST

Function	Test current	Max. open voltage
	approx 1mA	approx 2.8V

BATTERY TEST

Range	Resolution	Accuracy	Test current
1.5V	1mV	$\pm(1.5\%rdg+3dgt)$	100mA
9V	10mV		6mA



2. GENERAL SPECIFICATIONS

Display:

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

Features:

- 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:

- 1x9V battery NEDA 1604 IEC 6F22
- Protection fuses: fast 10A/600V, 5x20mm (**10A** input),
fast 200mA/600V, 5x20mm (**mA μ A** input)

Dimensions:

- 150(L) x 70(La) x 48(H) mm

Weight (included battery):

- 255g

Applied standards:

- Safety : IEC/EN61010-1 CAT III 600V to ground
- EMC: IEC/EN61326-1

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