HT12
DIGITAL MULTIMETER WITH AC/DC OPEN CLAMP SENSOR

HT12 is a poket size digital multimeter with open clamp sensor ideal for the daily use. The fork current sensor and the test leads are welded to the instrument, making the use of HT12 extremely easy and convenient. HT12 is provided with 2x AAA 1,5V batteries and the user manual

Functions

AC current 0 ÷ 60A
DC current 0 ÷ 60A
AC voltage 0 ÷ 600V
DC voltage 0 ÷ 600V
Resistance 0÷ 34MΩ
Continuity test
Current frequency 0÷ 10kHz
Voltage frequency 0÷ 300kHz
AutoPowerOff to save the battery
Safety:
IEC/EN61010-1, CAT II 600V,
CAT III 300V
Pocket size and heavy duty design
Display: 3400 counts with analog bargraph
Size (LxWxH): 128x87x21mm
Weight: 210g

HT603
POCKET DIGITAL MULTIMETER

HT603 is a digital multimeter, extremely compact and friendly in use. It is provided with carrying bag and test leads. The instrument carries out measurements of AC/DC voltage, resistance, continuity test, capacitance, frequency, duty cycle and diode test.

Standard accessories

Test leads + batteries + user manual

Functions

AC/DC voltage up to 600V
Resistance up to 40MΩ
Continuity test
Frequency
Duty cycle
Capacitance
Diode test
Data HOLD
Range Automatic/Manual
Auto Power OFF after 30 minutes
Safety:
IEC/EN61010-1, CAT III 300V, CAT II 600V
Display: LCD, 4 digits, 5000 counts
Power supply: 2x1.5V battery type LR44
Dimensions (LxWxH): 112x56x12mm
Weight (batteries included): 115g

HT21-HT210
HANDHELD DIGITAL MULTIMETERS

HT21 and HT210 handheld digital multimeters realised according to CAT III 600V headed to every electrical installer.

Accessories

HT21: test leads, battery, user manual, carrying bag

HT210: test leads, battery, user manual, carrying bag, type K probe.

FUNCTIONS	HT21	HT210
DC Voltage	•	•
AC Voltage	•	•
Resistance	•	•
Continuity test	•	•
Frequency	•	•
Capacitance	•	•
Diode test	•	•
Duty cycle (%)	•	•
Temperature with K probe		•
Backlight	•	•
Data HOLD	•	•
Relative measurements	•	•
Safety IEC/EN61010-1	•	•
Dimensions (LxWxH):	70x144x40	138x68x37
Weight	280g	210g

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1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as ± (% reading + number of dgt) at 18°C ÷ 28°C, <70%HR

DC VOLTAGE (Autorange)

Range	Resolution	Accuracy	Overload protection
4.000V	0.001V	±(1.2%rdg+2dgt)	600VDC/ACrms
40.00V	0.01V		
400.0V	0.1V		
600V	1V	±(1.5%rdg+2dgt)	

Input impedance: 7.8MΩ

AC VOLTAGE (Autorange)

Range	Resolution	Accuracy (50 ÷ 400Hz)	Overload protection
4.000V	0.001V	±(1.2%rdg+4dgt)	600VDC/ACrms
40.00V	0.01V	±(1.5%rdg+3dgt)	
400.0V	0.1V		
600V	1V	±(2.0%rdg+4dgt)	

Input impedance: 7.8MΩ

RESISTANCE (Autorange)

Range	Resolution	Accuracy	Overload protection
400.0Ω	0.1Ω	±(1.2%rdg+4dgt)	250VDC/ACrms
4.000kΩ	0.001kΩ	±(1.0%rdg+2dgt)	
40.00kΩ	0.01kΩ	±(1.2%rdg+2dgt)	
400.0kΩ	0.1kΩ		
4.000MΩ	0.001MΩ		
40.00MΩ	0.01MΩ	±(2.0%rdg+3dgt)	

DIODE TEST

Range	Resolution	Accuracy	Open voltage	Overload protection
⊣▶⊢	1mV	±(10%rdg+5dgt)	circa 1.5VDC	250VDC/ACrms

CONTINUITY TEST

Range	Buzzer	Test current	Overload protection
•)))	R<150Ω	<0.3VmA	250VDC/ACrms

FREQUENCY (Autorange)

Range	Resolution	Accuracy	Sensitivity	Overload protection
5.000Hz	0.001Hz	±(1.5%rdg+5dgt)	>8Vrms	250VDC/ACrms
50.00Hz	0.01Hz			
500.0Hz	0.1Hz	±(1.2%rdg+3dgt)		
5.000kHz	10Hz			
50.00kHz	10Hz			
500.0kHz	100Hz			
5.000MHz	1kHz	±(1.5%rdg+4dgt)		
10.00MHz	10kHz			

Note: on AC Voltage the frequency range is: 10Hz ÷10kHz ; Sensitivity: > 15Vrms

DUTY CYCLE (Autorange)

Range	Resolution	Accuracy	Sensitivity	Overload protection
0.5 - 99%	0.1%	±(1.2%rdg + 2dgt)	>8Vrms	250VDC/ACrms

100µs< pulse duration <100ms ; Frequency range: 5Hz ÷ 150Hz
Note: on AC Voltage the frequency range is: 10Hz ÷10kHz ; Sensitivity: > 15Vrms

CAPACITANCE (Autorange)

Range	Resolution	Accuracy	Overload protection
40.00nF	0.01nF	±(5.0%rdg+7dgt)	250VDC/ACrms
400.0nF	0.1nF	±(3.0%rdg+5dgt)	
4.000µF	0.001µF		
40.00µF	0.01µF		
100.0µF	0.1µF	±(5.0%rdg+5dgt)	

2. GENERAL SPECIFICATIONS

Display:
- LCD, 3 ½ dgt, 4000 points plus sign and decimal point
- Automatic polarity indication
- Backlight
- "**OL**" overrange indication

Features:
- HOLD
- REL
- AutoPowerOFF after 30 minutes of idleness

Low battery indication:
- "[+ -]" 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

Size:
- 138(L)x68(W)x37(H) mm

Weight (included battery):
- 210g

Applied standards:
- LVD: IEC/EN 61010-1 CAT III 600V
- 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

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