

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÷ 34M Ω Continuity test Current frequency 0÷ 10kHz

Voltage frequency 0÷ 300kHz AutoPowerOff to save the battery Safety: IEC/EN61010-1, CAT III 600V Pocket size and heavy duty design Display: 3400 counts with analog bargraph

Size (LxWxH): 128x87x21mm

Weight: 210g



HT603 **POCKET DIGITAL MULTIMETER**

HT603 model is a digital multimeter in autorange easy to use and extremely compact thanks to the handy box containing tips test leads. This tool allows to perform AC/DC voltage measurement, resistance measurement, diode test and continuity test. HT603 is provided with tips test leads, battery and user manual.

Functions

DC voltage from 0.1mV to 600V AC voltage from 1mV to 600V Resistance from 0.1 to $30M\Omega$ Continuity test Diode test Data HOLD, autorange, bargraph Selection of manual range AutoPowerOFF after 10 min of idleness Safety: IEC/EN61010-1, CAT III 300V, CAT II 600V

Power supply: 1x3V battery type CR2032 Display: LCD, 3 ¾ dgt, 3200 points

Size (LxWxH): 78x118x16mm Weight: 110g



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	•	•



HT410 PROFESSIONAL DIGITAL **MULTIMETER PROTECTED** AGAINST WRONG CONNECTIONS

HT410 is a digital multimeter for daily use. This instrument has been developed in compliance with IEC/EN 61010-1 safety standard with double insulation protection in CAT IV 600V and CAT III 1000V. HT410 is protected against wrong connections. The function selector switch is coupled with the Automatic terminal Blocking System (ABS) which allows access only to two correct sockets for each function. When the test leads are plugged-in, the terminal blocking systems prevents accidental switching to non-permissible functions.

Functions

DC voltage 0 ÷ 1000V AC voltage 0 ÷ 1000V DC current 0 ÷ 10A AC current 0 ÷ 10A Frequency 0 ÷ 100kHz Duty cycle 2% ÷ 98% Resistance 0 ÷ 20MΩ Diode test Continuity test Capacitance 0 ÷ 30uF Temperature -200 ÷ 850°C with Pt 100 / Pt 1000 probes







Pocket multimeter with integrated clamp

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1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as \pm [(% reading + (number of dgt) * resolution] at 23°C \pm 5°C, <75%HR

DC VOLTAGE			
Range	Resolution	Accuracy	Overload protection
0.000 ÷ 340.0mV	0.001mV		
0.000 ÷ 3.400V	0.001V		
0.00 ÷ 34.00V	0.01V	\pm (1.5%rdg+4dgt)	720VDC/AC for 10s
0.0 ÷ 340.0V	0.1V		
0 ÷ 600V	1V		

Impedenza di ingresso: $10M\Omega$

AC VOLTAGE			
Range	Resolution	Accuracy (50 ÷ 400Hz)	Overload protection
0.000 ÷ 3.400V	0.001V		
0.00 ÷ 34.00V	0.01V	1/1 E0/rda (Edat)	720VDC/AC for 10s
0.0 ÷ 340.0V	0.1V	±(1.5%rdg+5dgt)	720VDC/AC IOI TOS
0 ÷ 600V	1V		

Input impedance: $10M\Omega$; Frequency range: $50Hz \div 400Hz$

DC CURRENT (with integrated clamp sensor)				
Range Resolution Accuracy Overload protection				
$0.0 \div 60.0A$ 0.1A $\pm (2.0\% \text{rdg} + 5 \text{dgt})$ 72A AC/DC for 10s				

AC CURRENT (with integrated clamp sensor)			
Range Resolution Accuracy Overload protection			
$0.0 \div 60.0$ A 0.1A $\pm (2.0\% \text{rdg+5dgt})$ 72A AC/DC for 10s			

Frequency range: 50Hz ÷60Hz

RESISTANCE			
Range	Resolution	Accuracy	Overload protection
$0.0 \div 340.0\Omega$	0.1Ω		
$0.000 \div 3.400$ k Ω	0.001kΩ	1/4 00/mla (0:lat)	
0.00 ÷ 34.00kΩ	0.01kΩ	\pm (1.0%rdg+3dgt)	
0.0 ÷ 340.0kΩ	0.1kΩ		720VDC/AC for 10s
$0.000 \div 3.400 M\Omega$	$0.001 \mathrm{M}\Omega$	\pm (5.0%rdg+5dgt)	
$0.00 \div 34.00 M\Omega$	0.01ΜΩ	±(15.0%rdg+5dgt)]

CONTINUITY TES	ST .		
Range	Buzzer	Measurement range	Overload protection
-1))	R<30Ω±10Ω	Buzzer on in 340Ω range	720VDC/AC for 10s

FREQUECY				
Type of measure	Range	Accuracy	Resolution	Overload protection
Current	0 ÷ 10kHz	±(0.1%rdg+1dgt)	0.001k.0.01M	72A AC/DC for 10s
Voltage	0 ÷ 300kHz		0.001k÷0.01M	720VDC/AC for 10s

Minimum measured current: 15A; Minimum measured voltage: 30V





Pocket multimeter with integrated clamp

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2. GENERAL SPECIFICATIONS

Display:

- LCD, 3 \(^4\) dgt, 3400 points plus sign, decimal point and bargraph
- Automatic polarity indication
- "OL" overrange indication

Features:

- Data HOLD
- Auto / Manual range
- Auto Power OFF after 10 minutes of idleness

Low battery indication:

" BATT" appears when the battery voltage is low

Operating temperature:

0°C to 40°C, <75%HR

Storage temperature:

• -20°C to 60°C, <85%HR

General information:

Max altitude: 2000mPollution degree: 2

Insulation: double insulationMax diameter conductor: 6mm

Power supply:

2x1.5V alkaline batteries type AAA LR03 UM-4

Dimensions:

128(L) x 87(W) x 24(H)mm

Weight (included battery):

210g

Applied standards:

- Safety: IEC/EN61010-1, IEC/EN61010-2-031, IEC/EN61010-2-032
- Category of measurement : CAT III 300V , CAT II 600V

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

