

HT710 - HT712

PEN DIGITAL MULTIMETERS

The HT710 and HT712 models are designed to achieve, so simple and immediate, basic features of a classic digital multimeter as a result of narrow and elongated structure capable of meeting the common demands of each installer. The HT710 performs AC/DC voltage, frequency, resistance and continuity test. HT712 model also allows the implementation of the measure of phase sequence indication and phase conformity with the innovative 1-wire method.

FUNCTIONS	HT710	HT712
TRMS measurements		•
DC/AC Voltage	•	•
AC Voltage with 1-wire method		•
AC/DC automatic signal detection		•
Resistance and continuity test	•	•
Frequency	•	•
Frequency with 1-wire method		•
Diode test	•	
Phase sequence indication with 1-wire		•
Phase conformity indication with 1-wire		•
Data HOLD	•	•
OK/FAIL led indications		•
Auto range	•	•
Relative measurement	•	
AutoPowerOFF	•	•

TECHNICAL SPECIFICATIONS	HT710	HT712
DC Voltage		
Measurement range:	0.1mV ÷ 1000V	0.1mV ÷ 1000V
Basic accuracy:	±(0.5%rdg + 2dgt)	±(0.5%rdg + 2dgt)
AC Voltage		
Measurement range:	1mV ÷ 600V	1.5mV ÷ 600V
Basic accuracy:	±(1.0%rdg + 2dgt)	±(1.5%rdg + 3dgt)
Resistance and continuity test		
Measurement range:	0.1Ω ÷ 40MΩ	1Ω ÷ 1500Ω
Basic accuracy:	±(1.0%rdg + 3dgt)	±(1.0%rdg + 3dgt)
Buzzer:	<100Ω	<100Ω
Frequency with 2-wires		
Measurement range:	0.00Hz ÷ 9.999kHz	40Hz ÷ 69Hz
Basic accuracy:	±(0.8%rdg + 2dgt)	±(0.5%rdg + 1dgt)
Phase sequence indication with 1-wire (only HT712)		
Measurement range:		100V ÷ 600V


www.youtube.com/user/HTInstruments1



HT710
HR000710

HT712
HR000712

IT PERFORMS
THE PHASE SEQUENCE
TEST ON THE CABLE
SHEATH TOO

GENERAL SPECIFICATIONS	
Display:	LCD, 3 3/4 dgt, 4000 points
Power supply:	2x1.5V batteries type AAA
Battery life:	approx 170 hours
AutoPowerOFF:	after 5 min of idleness
Safety:	IEC/EN 61010-1
Category of measurement:	CAT IV 600V
Insulation:	double insulation
Pollution degree:	2
Max altitude:	2000m
Dimensions (LxWxH):	250x51x30mm
Weight (batteries included):	150g

ACCESSORIES	Code
Standard	
Red test leads	P711EU
Black test leads	P710EU
Carrying bag	B700
Batteries	
ISO9000 calibration certificate (only HT712)	
User manual	



宇宏企業股份有限公司

台北：三重區重新路五段609巷16號6樓之1 新竹：新竹縣竹北市台元26號4樓之10
 TEL:02-22782269 FAX:02-22782059 TEL:03-552-6779 FAX:03-552-6739
<http://www.fluke-tekntronix.tw> <http://www.radiotek.com.tw>



1. ELECTRICAL SPECIFICATIONS

Accuracy is given as \pm (% of readings + number of digits) at 23°C \pm 5°C, <80% R.H.

DC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
0.1 ÷ 599.9V	0.1V	$\pm(1.0\%rdg+2dgt)$	1M Ω	600VACrms

AC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
2 ÷ 599.9V	0.1V	$\pm(1.0\%rdg+2dgt)$	1M Ω	600VACrms

Max Crest factor =1.5

AC VOLTAGE (1-wire measure)

Range	Resolution	Accuracy	Input impedance	Overload protection
50 ÷ 600V (*)	10V	$\pm(15\%rdg+10V)$	1M Ω	600VACrms

Max Fattore di cresta =1.5

(*) Measure performed in following normally conditions: instrument handle hard, standard shoes, standard floors, etc

FREQUENCY

Range	Resolution	Accuracy	Input voltage	Overload protection
40.0 ÷ 69.9Hz	0.1Hz	$\pm(0.5\%rdg+dgt)$	2 ÷ 600V	660VACrms

RESISTANCE AND CONTINUITY TEST

Range	Resolution	Accuracy	Buzzer	Overload protection
1 ÷ 1500 Ω	1 Ω	$\pm(1.0\%rdg+2dgt)$	R<40 Ω	600VACrms (60 sec)

PHASE SEQUENCE AND PHASE CONFORMITY (1-wire measure)

Range	Input impedance	Overload protection
100 ÷ 600V (*)	1M Ω	600VACrms

(*) Measure performed in following normally conditions: instrument handle hard, standard shoes, standard floors, etc



2. GENERAL SPECIFICATIONS


Display:

- LCD Display, 3¾ dgt, 1999 counts, decimal point, unit symbol
- Automatic polarity indication
- "OL" overload indication

Features:

- HOLD
- AutoPowerOFF

Low battery indication:

- "  ' symbol is shown at display

Working temperature:

- 5 °C to 40 °C, <80%UR

Storage temperature:

- -10 °C to 60 °C, <70%UR

General information:

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

Power supply:

- 2 x1.5V alkaline battery type AAA, UM4, R03
- Life battery: about 200 hours

Dimensions:

- 200(L)x51(La)x30(H) mm.

Weight (included batteries):

- 240g

Applied standards:

- LVD: EN 61010-1 CAT IV 600V (tra gli ingressi e tra Fase-Terra)
- EMC: EN60326 (1997) + A1 (1997)

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

