

HT6 - HT8 - HT9

PEN-TYPE DIGITAL MULTIMETER WITH BUILT-IN GAS-FILLED LAMP TESTER AND PHASE SEQUENCE/ CONFORMITY TESTER

Digital pen-type multimeters HT6, HT8 and HT9 provide daily use features. In addition to DC/AC voltage measurement and continuity test, HT6 also offers phase sequence/conformity detection feature. HT8 also adds phase sequence/conformity detection feature. HT9 also offers gas-filled lamp test. To overcome difficult pinpointing of the right cable within a frame on a switchboard under poor light conditions, a built-in white LED flashlight makes testing possible and easy even in dark environments. The slim and ergonomic design of HT6, HT8 and HT9 is highly appreciated by contracting electricians, field professionals, troubleshooters as well as any kind of user. Designed according to the requirements of field professionals, HT6, HT8 and HT9 are must-have troubleshooting tool.

FUNCTIONS	HT6	HT8	HT9
LED and sound indication	•	•	•
LCD display		•	•
DC/ AC voltage up to 690V	•	•	•
Voltage detection with 1 wire	•	•	•
Continuity test with buzzer	•	•	•
Phase sequence indication	•	•	•
Test on gas-filled lamps			•
White LED flashlight	•	•	•
Compliance with IEC/EN61010-1	•	•	•
Power supply	2x1.5V type AAA alkaline batteries		
Measurement category	CAT IV 600V, CAT III 690V		
Pollution degree	2		
Mechanical protection	IP64 (IEC60529)		
Dimensions (L x W x H)	255 x 60 x 35mm		
Weight (with batteries)	170g		

ACCESSORIES

Standard

Couple of protective caps for test leads

Couple of adapters for 4mm lead tip

Batteries

User manual

56

NEW



HT6
HR000006



HT9
HR000009



HT8
HR000008

RAY 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-tektronix.tw http://www.radiotek.com.tw



1. TECHNICAL SPECIFICATIONS

Accuracy indicated as: $\pm[\%rdg + (num. dgt * resolution)]$ at $23^{\circ}C \pm 5^{\circ}C$, $<70\%HR$

AC/DC VOLTAGE MEASUREMENT (HT6)

Range [V]	Resolution [V]	Frequency range [Hz]	Accuracy	Overload protection
12, 24, 50, 120, 230, 400, 690	1	16 ÷ 400	Compliance with EN61243-3	690VDC/AC

AC/DC VOLTAGE MEASUREMENT (HT8, HT9)

Range [V]	Resolution [V]	Frequency range [Hz]	Accuracy	Overload protection
12.0 ÷ 299.9	0.1	16 ÷ 400	$\pm(3\%rdg + 5dgt)$	690VAC/DC
300 ÷ 690	1			

Max output current: $<3.5mA$ at 690V
 Detection AC/DC voltage: automatic
 Response time: $<1sec.$

AC VOLTAGE WITH 1 WIRE

Range [V]	Frequency range [Hz]	Measurement method	Overload protection
100 ÷ 690	50 ÷ 60	1-wire with contact on metal live parts	690VAC

PHASE SEQUENCE INDICATION

Voltage range [V]	Frequency range [Hz]	Measurement method
120 ÷ 400 (Phase – Earth)	50 ÷ 60	2-wires with contact on metal live parts

LAMP TEST (HT9)

Voltage with new battery	Field intensity (200-280kHz)	Indications
Approx 3kV / 240kHz	Approx 100 μ V/m	LED blinking

Charging time before test: $<0.5sec.$
 Frequency Led blinking: 2Hz

CONTINUITY TEST

Range	Test current	Indications
0 ÷ 500K Ω + 50%	$<7\mu A$	LED + acoustic signal



2. GENERAL SPECIFICATIONS

Mechanical specifications

Dimensions (L x W x H):	255 x 60 x 35mm
Weight (included batteries):	170g
Encapsulation:	IP64

Display

LCD:	HT8, HT9
LEDS:	HT6, HT8, HT9

Power supply

Internal supply:	2x1.5V alkaline batteries type AAA, IEC LR03
------------------	--

Reference guidelines

Safety:	IEC/EN61010-1, IEC/EN61010-2-030 (HT8, HT9) IEC/EN61243-3:2010
Insulation:	double insulation
Pollution degree:	2
Measurement category:	CAT III 690V; CAT IV 600V
Max height of use:	2000m

Environmental conditions

Reference temperature:	23°C ± 5°C
Working temperature:	-15 ÷ 55°C
Working humidity:	<85%HR
Storage temperature:	-20 ÷ 70°C
Storage humidity:	<85%HR

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