



1. TECHNICAL SPECIFICATIONS

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

DC/AC RMS 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

DC/AC RMS VOLTAGE MEASUREMENT (HT8, HT9)

Range [V]	Resolution [V]	Frequency range [Hz]	Accuracy	Overload protection
10.0 ÷ 690.0	0.1	16 ÷ 400	$\pm(3\%rdg + 5dgt)$	690VAC/DC

Max output current: $<3.5\text{mA}$ at 690V
Input impedance: $200\text{k}\Omega$
Detection AC/DC voltage: automatic
Response time: $<1\text{sec.}$

AC RMS 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 $100\mu\text{V/m}$	LED blinking

Charging time before test: $<0.5\text{sec.}$
Frequency Led blinking: 2Hz

CONTINUITY TEST

Range	Test current	Indications
0 ÷ $500\text{K}\Omega + 50\%$	$<7\mu\text{A}$	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

Diode test

Type of diode:	standard, segnalation, Schottky (not for LED diode)
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Display

LCD:	HT8, HT9 (4 dgt, 6900 points)
LEDS:	HT6, HT8, HT9

Power supply

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