

## HT7

Rel. 2.00 of 15/09/24

#### Pen digital multimeter with LoZ test

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# 1. TECHNICAL SPECIFICATIONS

Accuracy indicated as: ±[%rdg + (num. dgt \* resolution)] at 23°C ± 5°C, <70%RH

DC/AC VOLTAGE MEASUREMENT				
Range [V]	Resolution [V]	Accuracy	Input impedance	Overload protection
±6, 12, 24, 50, 120,	1	$\pm$ (1.0%rdg+3dgt) (DC Voltage)	1ΜΩ	690VDC/AC
230, 400, 690		$\pm$ (1.5%rdg+5dgt) (AC Voltage)		

Max output current: <1mA (400VAC); <1.5mA (690VDC)

Detection AC/DC voltage: automatic Measuring range selection: automatic Frequency range: 50/60Hz

Minimum detected voltage: 4.5V (AC), 3V(DC)

A	AC VOLTAGE MEASUREMENT WITH LOW IMPEDANCE (LoZ)				
	Range [V]	Resolution [V]	Measure time	Input impedance	Overload protection
	12 ÷ 230	1	max 5s < 250V	<6kΩ	3s <400VAC,690VDC

Is ≤ 200mA @690V, max 30s (ca. 48mA @ 230V) Max output current:

Detection AC voltage: automatic from 12V Measuring range selection: automatic 50/60Hz

Frequency range: Minimum detected voltage: 12VAC

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	1000VAC	

PHASE SEQUENCE INDICATION			
Voltage range [V]	Frequency range [Hz]	Measurement method	
100 ÷ 690 (Phase – Earth)	50 ÷ 60	2-wires with contact on metal live parts	

CONTINUITY TEST					
Range	Buzzer	Test current	Overload protection		
· <b>›</b> ))	<200kΩ	<1µA	690VDC/400VAC		



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# 2. GENERAL SPECIFICATIONS

**Mechanical specifications** 

Dimensions (L x W x H): 240 x 78 x 40mm

Weight (included batteries): 240g Encapsulation: IP64

**Display** 

Type: LCD 3½ dgts, max. 1999 points + sign and backlight

Conversion: mean value Sample rate: 2-3volte/s

**Power supply** 

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

Reference guidelines

Safety: IEC/EN61010-1, IEC/EN61243-3:2014

EMC: IEC/EN61326-1 Insulation: double insulation

Pollution degree: 2

Measurement category: CAT III 1000V; CAT IV 600V

**Environmental conditions** 

Reference temperature:  $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Working temperature:  $-10^{\circ}\text{C} \div 55^{\circ}\text{C}$ Working humidity:  $<85^{\circ}\text{RH}$ Storage temperature:  $-10^{\circ}\text{C} \div 70^{\circ}\text{C}$ Storage humidity:  $<85^{\circ}\text{RH}$ Max height of use:  $2000^{\circ}\text{m}$ 

This product conforms to the prescriptions of the European directive on Low Voltage (LVD) 2014/35/EU and to EMC directive 2014/30/EU

This product conforms to the prescriptions of the European directive 2011/65/EU (RoHS) and the European directive 2012/19/EU (WEEE)