

HT10

Rel. 1.00 of 05/06/19

Pen digital multimeter with LoZ test

Page 1 of 2

1. TECHNICAL SPECIFICATIONS

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

DC/AC VOLTAGE MEASUREMENT (LED indications)				
Range [V]	Resolution [V]	Overload protection		
+12 24 50 120			Compliance with	
±12, 24, 50, 120,	1	0/40Hz ÷ 400Hz	IEC/EN61243-	1000VDC/AC
230, 400, 690, 1000			3:2014	

DC/AC VOLTAGE MEASUREMENT (Display indications)				
Range [V]	Resolution [V]	Frequency range [Hz]	Accuracy	Overload protection
6 ÷ 1000	1	0/40Hz ÷ 400Hz	\pm (3%rdg + 5dgt)	1000VAC/DC

Response time: <1s

Peak current: max 3.5mA @1000V

Output impedance: $350k\Omega / Is < 3.5mA$ (no RCD tripping)

Detection AC/DC voltage: automatic

Working time: 30s (240s pause between two measurements)

AC VOLTAGE MEASUREMENT WITH LOW IMPEDANCE (LoZ)				
Range [V]	Resolution [V]	Frequency range	Input impedance	Overload protection
6 ÷ 1000	1	40Hz ÷ 400Hz	ca 7kΩ	1000VAC/DC
May output current:		ls (load) = 150mA		

Max output current: Is (load) = 150mA RCD tripping: ca 30mA @ 230V

AC VOLTAGE WITH 1 WIRE			
Range [V]	Frequency range [Hz]	Measurement method	Overload protection
100 ÷ 1000	50 ÷ 400	1-wire with contact on metal live parts	1000VAC

PHASE SEQUENCE INDICATION			
Voltage range [V]	Frequency range [Hz]	Measurement method	
100 ÷ 1000	50 ÷ 60	2-wires with contact on metal live parts	
(Phase – Earth)	50 ÷ 60	2-wires with contact on metal live parts	

RESISTANCE MEASUREMENT				
Range [Ω]	Resolution [Ω]	Accuracy	Test current	Overload protection
0 ÷ 1999	1	±(5.0%rdg+10dgt)	<30µA	1000VAC/DC

CONTINUITY TES	Т		
Range	Buzzer	Accuracy	Overload protection
(((:	<400kO	+(5.0%rda+10dat)	1000VAC/DC



HT10

Rel. 1.00 of 05/06/19

Pen digital multimeter with LoZ test

Page 2 of 2

2. GENERAL SPECIFICATIONS

Mechanical specifications

Dimensions (L x W x H): 270 x 70 x 30mm

Weight (included batteries): 290g Encapsulation: IP64

Display

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

Conversion: mean value

Power supply

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

Auto Power OFF: after 1minutes of idleness (resistance measurement)

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%RHStorage temperature: $-20^{\circ}\text{C} \div 70^{\circ}\text{C}$ Storage humidity:<85%RHMax height of use:2000m

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)