

USER MANUAL

Professional voltage detector HT20s



ENG

1. Safety precautions and procedures

Please follow the herewith indications before and during the performance of any test with the instrument:

CAUTION

- An improper use can damage the instrument and/or its components or injure the operator
- Avoid using the instrument in rooms where explosive gas, combustible gas, steam or excessive dust are present
- Do not perform any test if you notice anomalous conditions such as breakages, deformations, fractures, leakages of battery liquid on meter
- Do not perform any test exceeding the declared voltage conditions
- Do not perform measurements under environmental conditions exceeding the declared limits
- Do not perform any voltage detection with operator's hand beyond the hand safety protection



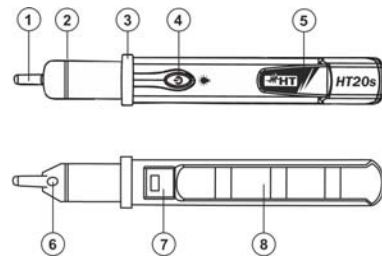
2. Introduction

HT20s meter can perform AC voltage detection with visible LED red and acoustic buzzer indications. A white LED is can be also activated.

3. Features

- AC voltage detection with and without contact
- AC voltage detection on conductive and insulated parts
- Auto Power OFF function after 5 minutes
- Visible red LED and acoustic buzzer indications
- White torch LED with ON/OFF key
- Practical pen clip and very small size
- Meter suitable for any electrical installer

4. Description



1	Voltage detection sensor
2	Reference mark for CAT IV measurements
3	Hand safety protection
4	ON/OFF key for switch on the instrument and the white LED
5	Pen clip
6	White LED torch
7	Fit part for battery cover sleigh
8	Battery cover sleigh

5. Operating instruction

Consider the herewith steps for a correct use:

1. Switch on the instrument by pressing ON/OFF key
2. Perform an initial test with meter on an energized circuit. Replace internal batteries if the red LED do not turn on and/or the buzzer do not sound
3. Position the sensor close to or in contact with the point under test then verify that the red LED is on and buzzer sounds continuously as evidence of voltage detection. **Do not perform test with the hand beyond the hand safety protection and move not insulated wires beyond the CAT IV reference mark (see part 2 of picture)**
4. If necessary press ON/OFF key to turn on the white torch
5. The instrument switch off automatically after 5 minutes of idleness

6. Batteries replacement

Follow the herewith steps to replace internal batteries:

1. Remove the meter from any voltage source
2. Perform a small pressure on battery cover sleigh (see part 8 of picture)
3. Shift the battery cover sleigh from the meter
4. Replace the batteries with new ones of the same type and pay attention to keep to correct polarity indication
5. Fit the battery cover sleigh to the meter
6. Used batteries must not be disposed of as urban waste



CAUTION: this symbol indicates that the equipment and its accessories shall be subject to a separate collection and correct disposal

7. Technical specifications

- Voltage reference range: 100 ÷ 1000V AC to ground
- Frequency reference range: 50/60Hz
- Meter indications: visible LED and acoustic buzzer
- Safety: IEC/EN61010-1
- Category of measurement: CAT IV 1000V
- Pollution degree: 2
- Batteries: 2 x 1.5V alkaline type AAA IEC LR03
- Working temperature: -10°C ÷ 50°C (14°F ÷ 122°F)
- Working humidity: -10 ÷ 40°C; <75%HR;
40 ÷ 50°C <45%HR
- Dimensions: 160(L)x26(W)x20(H)mm; 6(L)x1(W)x1(H)''
- Weight (included batteries): 48g (0.1lb)