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# HT70



VOLTAGE DETECTOR WITH MEASUREMENT OF PHASE SEQUENCE (HT70)



HT70 is a practical innovative device capable of carrying out, further to the **phase detection function**, a **phase sequence** and **phase conformity test** with **LED** indications and **buzzer**, also on the **insulating sheath of the conductors**. The result of the test is indicated by the **red LED (incorrect phase sequence)** or the **green LED (correct phase sequence)** turning on, by simply moving the sensor first on the L1 and then on the L2 phase. HT20s is instead the model dedicated only to **searching live cables**. Also carries out measurements on insulating sheath of cables and therefore **without direct contact with live parts**.



**Step1** - Take HT70 and rest it on the assumed phase L1 of the three-phase system (on the conductor or sheath) for **at least 5s** and wait for the **red LED** to flash together with the buzzer sounding.



**Step2** - Now rest and keep HT70 on the assumed phase L2 (on the conductor or sheath) for **at least another 5s** and wait for the **LED** to flash together with the buzzer sounding.



**Step3** - If the **green LED** turns on with steady light, phase sequence is **correct**. If, however, the **red LED** flashes, phase sequence is **incorrect**.



## Functions

	<b>HT70</b>	<b>HT20s</b>
AC voltage detection	•	•
Led and buzzer indication	•	•
Battery check with LED indication	•	•
Phase sequence detection	•	-
Pocket clip	•	•



## Main features

<b>AC reference voltage:</b>	100V ÷ 1000V to earth
<b>Frequency:</b>	50/60Hz
<b>Power supply:</b>	2x1.5V alkaline batteries type AAA NEDA24A LRO3
<b>Pollution level:</b>	2
<b>Safety:</b>	IEC/EN61010-1
<b>Measurement category:</b>	CAT IV 1000V
<b>Size (LxWxH):</b>	160x26x20mm
<b>Weight (batteries included):</b>	48 g

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## Included accessories

Battery

User manual

## 1. ELECTRICAL SPECIFICATIONS

- AC voltage range detection: 100 ÷ 1000V AC to ground
- Frequency range: 50/60Hz
- Phase sequence indication with 1-wire
- Conformity test with 1-wire
- Safety: IEC/EN61010-1
- Category of measurement: CAT IV 1000V
- Insulation: double insulation
- Pollution degree: 2

## 2. GENERAL SPECIFICATIONS

- Red LED indication => incorrect phase sequence indication
- Green LED indication => correct phase sequence indication
- Buzzer indication
- Power supply: 2x1.5V batteries alkaline type AAA NEDA24A LR03
- Working temperature: -10°C ÷ 50°C
- Working humidity: <75%HR (-10°C ÷ 40°C)  
<45%HR (40°C ÷ 50°C)
- Dimensions (L x W x H) : 160x26x20mm
- Weight (included batteries): 48g



Incorrect phase sequence



Correct phase sequence

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