

# Overhead Lines Voltage Tester / Double Check



Model: 90415



## Features:

- Requires no batteries.
- Every circuit is doubled.
- Buzzer indicates voltage detected.
- Led indicates voltage detected.
- Neon scale indicates voltage.
- Dual HBC fuses.
- High grade fiber glass probes.
- Super polished fiber glass.
- High strength connecting cord.
- Heavy-duty rated.
- Replaceable tips.
- Choice of tips available.
- Light weight.
- Small storage space.
- Strong strength reliefs.
- Double poles non-polarized.
- Suitable for 45 to 70Hz Networks.
- Contact detector-type.
- Passive circuitry.
- Fiber Glass 1.6mm - CU 35um PCB.
- Super bright neon lights and LEDs.
- Ergonomically designed.
- IEC/EN 61010-031 CAT IV 450V.

## Scope of Supply:

- 1 pc Double Check 90415
- 1 pc Carrying case
- 1 pc Factory test report certificate
- 1 pc Instruction Manual

The Double Check is a visual voltmeter with a neon lights scale which lights proportionally to the voltage between the sticks. It features a bright LED and loud sound indication on each side.

Both testers are identical. It is a CAT IV double pole measurement system which has its poles long enough to be clear of the lines while testing them. These poles are made out of highly insulating super polished high grade fiber glass. Their color is highly visible and it's strong and durable.

Both poles are electrically connected by a high strength spiraled and highly insulated cord which is securely held by customized strength reliefs. Each circuit is fully fused by high breaking capacity fuses.

Safety has been the most important factor while developing this product. Each circuit is present on the left pole as well as on the right pole. Each circuit works independently from each other. The cord connecting the poles is doubled as well, so each circuit has its own conductor going from one pole to the other.

The 90415 has visual voltage indicators (neons) which lit when the voltage between the poles is superior or equal to 110V, 220V, 280V and 415Vac.

Length : 1000mm, Weight : Approx. 670g.

Some Applications for the Double Check are :

Measure and confirm overhead voltage between lines in all safety due to the clearance from the probes contacts. This is done, for example, using a bucket on a truck, then from the bucket, you can reach all the phases and check voltage between each phases.

Check voltage presence between two conductors or between phase and earth. Measure and detect voltage between bus bars and between bus bar earth. Use where you are not comfortable with your normal test leads. Tips can be changed for different types.

Available tips : Fork type, Piercing through Insulation, Cone, Flat tip, Others on demand.

## Technical Data:

### General

Maximum Rating between Poles..... 450V  
Category..... IV

### Fuses

Type..... HBC/HRC  
Rate of Rupture..... Slow Blow  
Current Rating..... 500mA  
Voltage Rating..... 600V  
Quantity..... 2

### Voltmeter The Neon Voltage Scale Indication

Neon lit when Voltage > or = ..... 110V  
Neon lit when Voltage > or = ..... 220V  
Neon lit when Voltage > or = ..... 380V  
Neon lit when Voltage > or = ..... 415V  
Accuracy on both voltage display..... ±20% of Rdg

### Voltage Detector with LED

Led Lit when Voltage between Probes >.. 25V ±20V

### Voltage Detector with Buzzer

Buzzer Sounds when Voltage on tips >.... 25V ±20V

### Mechanical

Total Length..... 1000mm  
Fiber Glass Length..... 795 mm  
Weight ..... 700g

### Environmental

Operating temperature Range..... 1°C to +55°C  
Storage Temperature..... -20°C to +70°C

### MATERIAL

Poles..... Fiber Glass  
Handles..... Rubber  
Body..... ABS