

## Non-Metallic Contact Voltage Detector with LED Light

### VOLTAGE DETECTOR 3481



White LED light illuminates dim locations.



CAT IV 600 V

- Non-contact detection of AC voltage from 40 V to 600 V with bright LED light
- Pen-style, compact detector with pocket clip
- Both visual and audible voltage detection indication
- Meets safety standards for CAT IV 600 V environments
- Prevent dead batteries with battery self-check function and auto power-off function

Order Code: 3481-20

#### Basic specifications

Measurement function	Voltage detection
Operating voltage range	40 V to 600 V AC (When brought into contact with a 2 mm <sup>2</sup> insulated cable equivalent to 600 V polyvinyl chloride insulated wire) Maximum sensitivity variable range 40 V to 80 V AC (80 V at the time of shipment)
Operating frequency	50 Hz/ 60 Hz
Pilot light	Red LED lights up and the buzzer sounds when the wire is live
Battery check	White LED is dim or out when the batteries are low.
Auto power off	The power will be turned off automatically if the instrument remains idle for 3 minutes after the power is turned on.
Power supply	LR44 button alkaline batteries ×3, Continuous use: 5 hr (Power ON standby state)
Dimensions and mass	20 mm (0.79 in)W× 126 mm (4.96 in)H× 15 mm (0.59 in)D (excluding projections), 30 g (1.1 oz) (including LR44 button alkaline batteries)
Accessories	Instruction manual ×1, LR44 button alkaline batteries ×3 (for trial purposes only)

## Twin Light Audible Voltage Detector

### VOLTAGE DETECTOR 3120



CAT IV 1000 V

- Top “primary supply level” safety class rating for voltage detectors
- CAT IV 1000 V design meets CE Mark qualifications
- Continuously indicate battery status with green indicator lamp
- Both visual and audible voltage detection indication
- Automatic power switching prevents battery discharge

Order Code: 3120

#### Basic specifications

Measurement function	Voltage detection
Measurement voltage	70 to 1000 VAC, 50/60 Hz (when in contact with an IV 2 mm <sup>2</sup> or equivalent insulated wire)
Pilot light	The red LED lights up and the buzzer sounds when the wire is live
Battery check	Green LED
Power supply	R03 (AAA) manganese or LR03 (AAA) alkaline battery ×2, Continuous use: 200 hr (using the LR03 batteries)
Dimensions and mass	149 mm (5.87 in)H × φ 18.5 mm (0.73 in), 38 g (1.3 oz)
Accessories	Instruction manual ×1, R03 (AAA) manganese battery ×2 (for trial purposes only)

## Non-Metallic Contact for Optimal Safety

### PHASE DETECTOR 3129-10



CAT IV 600 V  
CAT III 1000 V

- Magnetic base allows the instrument to be secured on a distribution panel
- Simply clip clamps onto wire insulation
- Rotating LED indicator shows the phase sequence for a 3-phase power supply at a glance
- Intermittent beeps signal positive phase; continuous tone signals reverse phase

Order Code: 3129-10 (large clips)

#### Compatible wires

- IV cable: 14 mm<sup>2</sup> to 500 mm<sup>2</sup>, single wire 5 mm to
- CV cable: 3.5 mm<sup>2</sup> to 500 mm<sup>2</sup>

#### Basic specifications

Functions	Phase detection (positive and negative)
Voltage detection method	Static induction
Voltage range	70 to 1000 V AC (50/60 Hz) (sine wave, continuous input)
Frequency range	45 Hz to 66 Hz
Object to be connected	7 mm (0.28 in) to 40 mm (1.57 in) of insulated wiring IV, HIV cable: 14 to 500 mm <sup>2</sup> CV cable: 3.5 to 500 mm <sup>2</sup>
Display	Phase detection : Positive ; 4 LEDs lit in clockwise order and the buzzer sounds intermittently Negative ; 4 LEDs lit in counterclockwise order and the buzzer sounds continuously
Battery check function	Power ON lamp: lights up (Power ON), blinks (Battery LOW)
Auto power off	Auto shut off if no activity is detected after power is turned ON for 15 minutes
Power supply	R6P (AA) manganese battery ×2, Continuous use: 70 hr
Dimensions and mass	70 mm (2.76 in)W × 75 mm (2.95 in)H × 30 mm (1.18 in)D, 240 g (8.5 oz), Cord length : 0.7 m (2.30 ft)
Accessories	Carrying case ×1, Strap ×1, Spiral tube ×1, Instruction manual ×1, R6P (AA) manganese battery ×2

## Non-Metallic Contact for Optimal Safety

### PHASE DETECTOR 3129



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- Simply clip clamps onto wire insulation
- Rotating LED indicator indicates the phase sequence for a 3-phase power supply at a glance
- Intermittent beeps signal positive phase; continuous tone signals reverse phase

**Order Code: 3129**

Compatible wires

- IV cable: Up to 100 mm<sup>2</sup>

#### Basic specifications

Functions	Phase detection (positive and negative)
Voltage detection method	Static induction
Voltage range	70 to 600 V AC (50/60 Hz) (sine wave, continuous input)
Frequency range	45 Hz to 66 Hz
Object to be connected	2.4 mm (0.09 in) to 17 mm (0.67 in) of insulated wiring IV, HIV cable: 2 to 100 mm <sup>2</sup> CV cable: 2 to 60 mm <sup>2</sup>
Display	Phase detection :Positive ; 4 LEDs lit in clockwise order and the buzzer sounds intermittently Negative ; 4 LEDs lit in counterclockwise order and the buzzer sounds continuously
Battery check function	Power ON lamp: lights up (Power ON), blinks (Battery LOW)
Auto power off	Auto shut off if no activity is detected after power is turned ON for 15 minutes
Power supply	R6P (AA) manganese battery ×2, Continuous use: 70 hr
Dimensions and mass	70 mm (2.76 in)W × 75 mm (2.95 in)H × 30 mm (1.18 in)D, 200 g (7.1 oz), Cord length : 0.7 m (2.30 ft)
Accessories	Carrying case ×1, Strap ×1, Spiral tube ×1, Instruction manual ×1, R6P (AA) manganese battery ×2

## Dependable Phase Sequence Indicator

### PHASE DETECTOR 3126-01

Not CE Marked



- Rotating disc indicates the phase sequence for a 3-phase power supply at a glance
- Compact, lightweight design is conveniently portable
- Soft carrying case included

**Order Code: 3126-01**

#### Basic specifications

Voltage range	110 to 480 V AC (40 Hz to 70 Hz)
Time limits	30 minutes /220 V AC, 4 minutes /480 V AC
Connection cable length	1.2 m (R: red, S: white, T: blue), with clip and fuse holder (700 V/0.5 A fuse)
Dimensions and mass	70 mm (2.76 in)W × 96 mm (3.78 in)H × 54 mm (2.13 in)D, 280 g (9.9 oz)
Accessories	Carrying case ×1, Instruction manual ×1, Spare fuse ×1

The electric power of three-phase line

