

# NCV-1020-EUR, NCV-1030-EUR, NCV-1040-EUR Non-Contact Voltage Probe Series

**Check voltage, find cable breaks, identify polarity, and magnetic detection**

The Beha-Amprobe NCV-1000-EUR Non-Contact Voltage (NCV) tester series provides maximum safety and convenience for detecting AC voltage without interrupting electrical systems. Designed to conveniently fit in your shirt pocket, the NCV-1000-EUR series performs in indoor and outdoor settings. Safety tested to the highest category measurement, CAT IV 1000 V, as well as IP65 water and dust resistant, the NCV-1000-EUR series is fit for the toughest industrial applications.



**NCV-1000-EUR Series**  
Non-Contact Voltage Probe



**Non-contact voltage detection** . . . . .  
**Default: 50-1000 V**  
**High Sensitivity: 12-50 V**  
 (NCV-1030-EUR and NCV-1040-EUR only)

Audible (buzzer) and visual (LED) . . . . .  
**voltage indication**

**Magnetic solenoid indication (LED)**  
 (NCV-1040-EUR only)

**On/Off switch**

**Built-in work light**  
 (NCV-1030-EUR and NCV-1040-EUR only)

## Additional Features

- **IP65 rated** water and dust resistant
- **CAT IV 1000 V** safety rated
- **Low battery indication** (NCV-1030-EUR and NCV-1040-EUR only)
- **Auto power off** (NCV-1030-EUR and NCV-1040-EUR only)

**NCV-1040-EUR**  
Non-Contact Voltage Probe

### Safety Certification



All Beha-Amprobe tools, including the Beha-Amprobe NCV-1000-EUR Series are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Beha-Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Beha-Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



Test wires for AC voltage for quick troubleshooting



Test wall sockets for AC voltage and polarity



Built-in worklight (NCV-1030-EUR, NCV-1040-EUR)

### Applications:

- **Detect the presence of AC voltage** in cables, circuit breakers, wall sockets, junction boxes, fuses, extension cords
- **Test voltage** through wire insulation
- **Identify cable breaks** in wires, cords and lightning systems connected in series
- **Identify polarity** (line vs. neutral) of receptacles and cables
- **Detect magnetic solenoid** to diagnose electromagnets and relays (NCV-1040-EUR only)



### Specifications

Features	NCV-1020-EUR	NCV-1030-EUR	NCV-1040-EUR
Voltage detection from 50 to 1000 VAC	•	•	•
NCV high sensitivity range (12 V to 50 VAC)	–	•	•
Audible (buzzer) and visual (LED) voltage indication	•	•	•
Magnetic solenoid detection	–	–	•
On/Off switch	•	•	•
IP65 rated, water/dust resistant	•	•	•
CAT IV 1000 V safety rated	•	•	•
Built-in work light	–	•	•
Low battery indication	–	•	•
Auto power off	–	•	•
Detailed Specifications			
Operating Voltage Range	50-1000 VAC, 50-400 Hz	12-50 VAC, 50-1000 VAC, 50-400 Hz	12-50 VAC, 50-1000 VAC, 50-400 Hz
Voltage Indication	Bright red LED, buzzer		
Magnetic Field Indication	–	–	Yellow LED
Detection of Magnetic Field	–	–	>2.5 mT
Detection	indicates at approximately 5mm (0.2 in) distance from a wire carrying 230 VAC		
Temperature Range	0 °C to 40 °C (32 °F to 104 °F), ≤ 80% RH		
Storage Conditions	-10 °C to 40 °C (14 °F to 104 °F), ≤ 85% RH		
Operating Altitude	≤ 2000 m (6561 ft)		
Power Supply	2x 1.5 V LR03 AAA batteries		
Duty Cycle	Continuous		
Current Consumption	Approx. 80 mA		
Dimensions (L x W x H)	156.2 x 23.5 x 27.5 mm (6.14 x 0.92 x 1.08 in)		
Weight (with batteries installed)	Approx. 58 g (0.12 lb)	Approx. 60 g (0.13 lb)	Approx. 62 g (0.133 lb)
Safety Compliance	IEC 61010-1 3rd Ed., UL61010-1 2nd Ed. and CAN/CSA-C22.2 No. 61010-1-04 +Update No. 1:2008 to CAT IV 1000 V, Pollution degree 2, IP65		
EMC Compliance	IEC 61326-1		
Certifications			

Included: 2 x 1.5 V Batteries (installed), User Manual