

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

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

The Amprobe NCV-1000 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 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 series is fit for the toughest industrial applications.



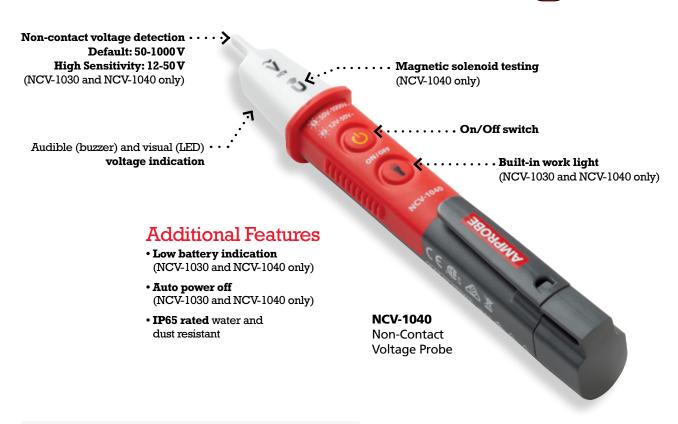
**NCV-1000 Series** Non-Contact Voltage Probe











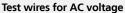
#### Safety Certification



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









**Breaker scanning** 



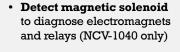
Test wall sockets for AC voltage



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

### **Applications:**

- Detect the presence of AC voltage in cables, circuit breakers, wall sockets, junction boxes, fuses, extension cords
- Test voltage through wire insulation
- Identifiy cable breaks in wires, cords and lightning systems connected in series
- Identify polarity (line vs. neutral) of receptacles and cables









## **Specifications**

Features	NCV-1020	NCV-1030	NCV-1040
Voltage detection from 50 to 1000 V AC	•	•	•
Audible (buzzer) and visual (LED) voltage indication	•	•	•
On/Off switch	•	•	•
IP65 rated water/dust resistant	•	•	•
CAT IV 1000 V safety rated	•	•	•
Built-in work light	_	•	•
NCV high sensitivity range (12 V to 50 V AC)	-	•	•
Low battery indication	_	•	•
Auto power off	_	•	•
Magnetic solenoid testing	_	_	•
Detailed Specifications			

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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	Illuminates at approximately 0.39 in (10 mm) distance from a wire carrying 120 Vac			
Temperature Range	32 °F to 104 °F (0 °C to 40 °C), ≤ 80% RH			
Storage Conditions	14 °F to 104 °F (-10 °C to 40 °C), ≤ 85% RH			
Operating Altitude	≤ 6561 ft (2000 m)			
Power Supply	2 1.5 V LR03 AAA batteries			
Duty Cycle	Continuous			
Current Consumption	Approx. 80 mA			
Dimensions (L x W x H)	6.14 x 0.92 x 1.08 in (156.2 x 23.5 x 27.5 mm)			
Weight (with batteries installed)	Approx. 0.12 lb (58 g)	Approx. 0.13 lb (60 g)	Approx. 0.133 lb (62 g)	
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	<b>®</b> : <b>( €                                  </b>			

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