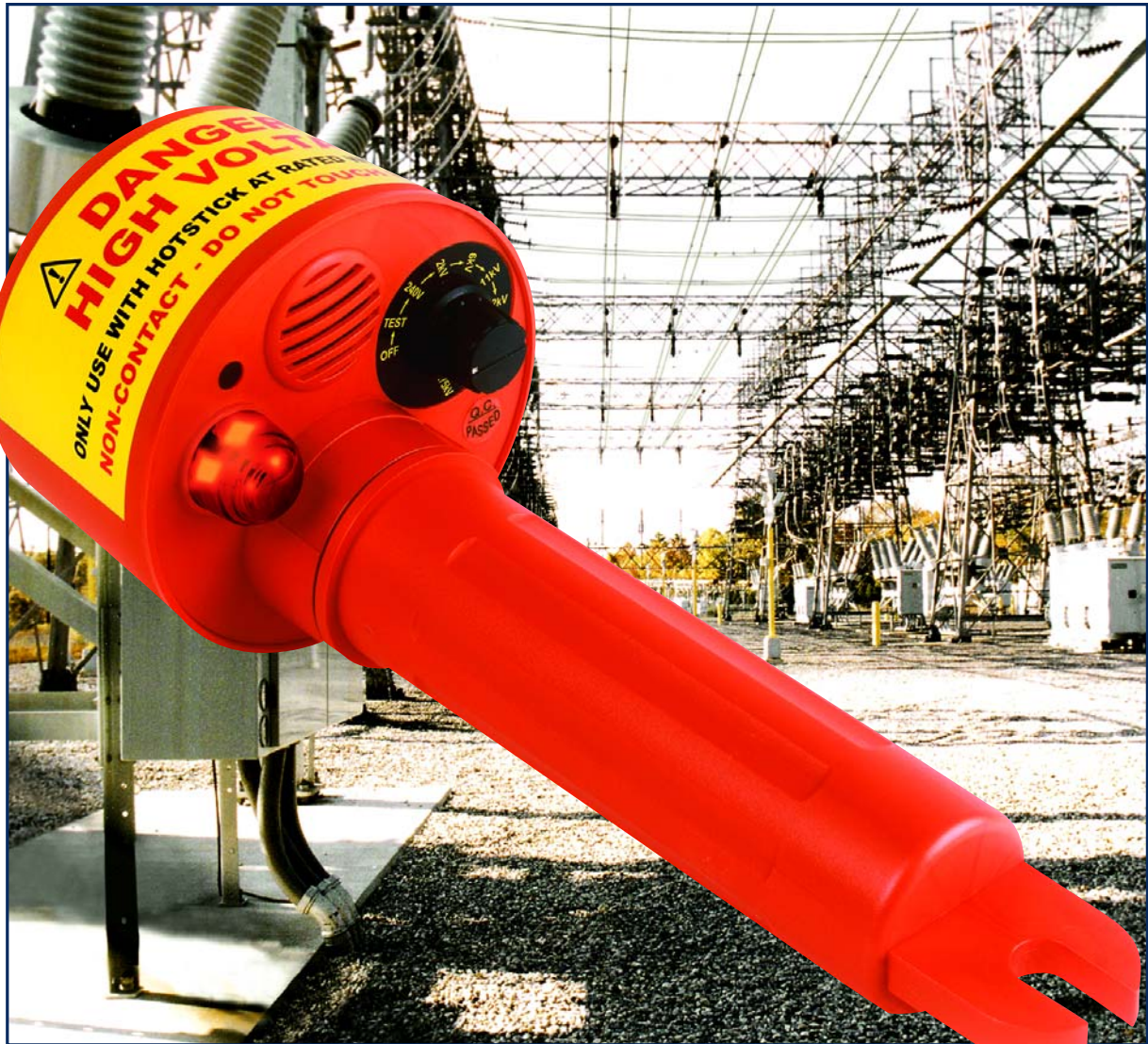


# Non-Contact High Voltage Detector Model 275HVD



CE

The Model 275HVD is designed to detect the presence of high voltage without physical contact.

An eight position rotary switch selects the detection range. As the sensor is moved closer to the voltage carrying conductor, its sensor head picks up the radiated electric field. Once the range threshold is reached, the buzzer

sounds and a bright red warning light warns the operator of live conductors.

Model 275HVD has a self-test position that ensures that all circuitry and annunciators are working properly by energizing the complete system.

The Model 275HVD is powered by three standard Alkaline C cell batteries

and can be used both in- and out-of-doors. A universal spline on the back-end facilitates attachment to any standard hot stick.



Model 275HVD checking for live voltage on main feeder

## Features

- Non-contact high voltage detector
- Wide range of detection; finds 80V to 275kV; one instrument fits all applications
- Eight switch-selectable voltage sensitivity ranges
- Lightweight, minimizes sway at the end of long hot sticks
- Audible and visual indication of live voltage
- Self-test ensures that all system functions and indicators are working properly by energizing the complete system
- Designed for use with hot sticks incorporating a universal spline adapter

## Applications

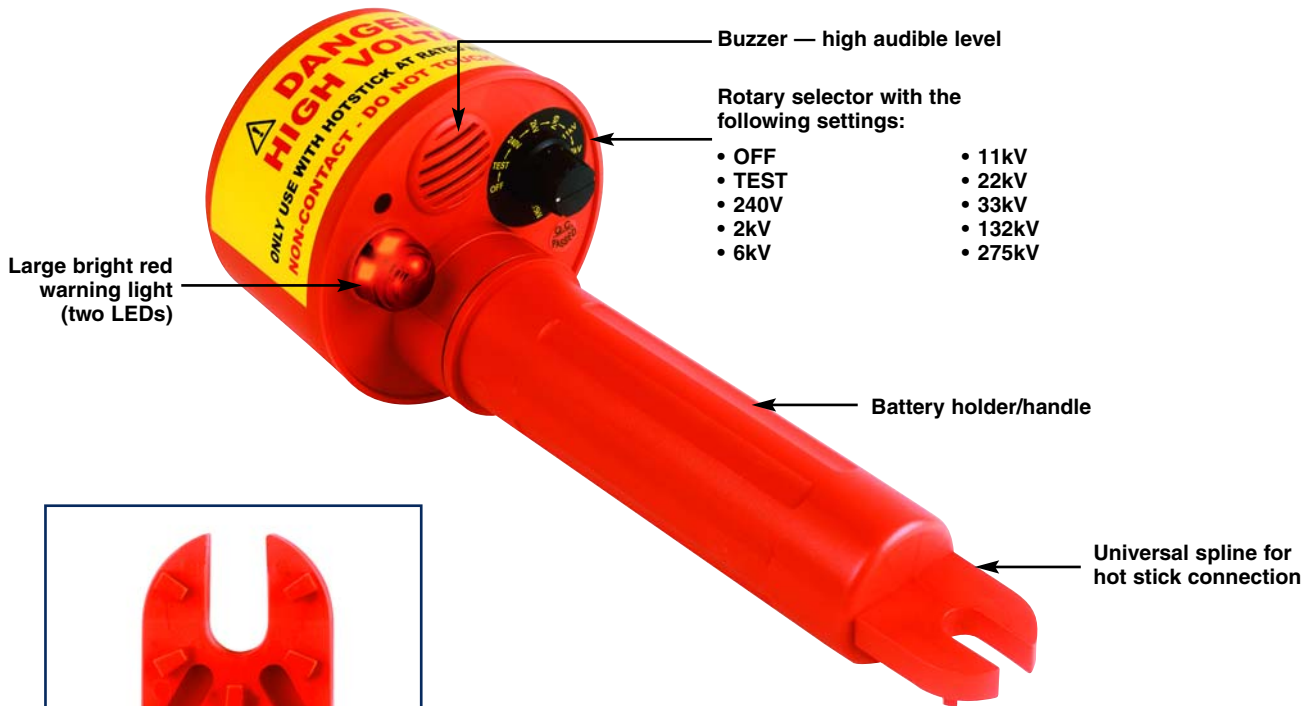
- Non-contact detection of live voltages
- Check and detect live high voltage cables
- Find faults in cables
- Check grounding equipment
- Service neon lighting
- Trace live wires
- Check high frequency radiation
- Detect residual or induced voltages

## Specifications

<b>MODEL</b>	<b>275HVD</b>
<b>ELECTRICAL</b>	
Detection Frequency	40 to 70Hz
Ranges	240V, 2kV, 6kV, 11kV, 22kV, 33kV, 132kV, 275kV
Detection	Selection range is detected at approximately 10" (25cm) from the voltage Greater detection distances can be obtained at lower voltage positions
<b>MECHANICAL</b>	
Self Test	User selectable
Indicators	Bright red LED and audible buzzer
Power Source	Three 1.5V C cell batteries
<b>ENVIRONMENTAL</b>	
Operating Temperature	5° to 130°F (-15° to 55°C)
Storage Temperature	-4° to 150°F (-20° to 65°C)
Humidity	0 to 93% RH @ 104°F (40°C)



# Construction



Universal spline for hot stick connection



Model 275HVD includes three C cell batteries, a hard carrying case and user manual

## ORDERING INFORMATION

## CATALOG NO.

**Non-Contact High Voltage Detector Model 275HVD (240V to 275kV) Manual self-test. . . . . Cat. #2131.12**  
 Includes three C cell batteries, padded carrying case and user manual

## Contact Us

### United States & Canada:

Chauvin Arnoux<sup>®</sup>, Inc.  
d.b.a. AEMC<sup>®</sup> Instruments  
200 Foxborough Blvd.  
Foxborough, MA 02035 USA  
(508) 698-2115 • Fax (508) 698-2118  
[www.aemc.com](http://www.aemc.com)

**Customer Support – for placing an order, obtaining price & delivery:**  
[customerservice@aemc.com](mailto:customerservice@aemc.com)

**Sales Department – for general sales information:**  
[sales@aemc.com](mailto:sales@aemc.com)

**Repair and Calibration Service – for information on repair & calibration, obtaining a user manual:**  
[repair@aemc.com](mailto:repair@aemc.com)

**Technical and Product Application Support – for technical and application support:**  
[techinfo@aemc.com](mailto:techinfo@aemc.com)

**Webmaster – for information regarding [www.aemc.com](http://www.aemc.com):**  
[webmaster@aemc.com](mailto:webmaster@aemc.com)

### South America, Central America, Mexico, Caribbean, Australia & New Zealand:

Chauvin Arnoux<sup>®</sup>, Inc.  
d.b.a. AEMC<sup>®</sup> Instruments  
15 Faraday Drive  
Dover, NH 03820 USA  
(978) 526-7667 • Fax (978) 526-7605  
[export@aemc.com](mailto:export@aemc.com)  
[www.aemc.com](http://www.aemc.com)

### All other countries:

Chauvin Arnoux SCA  
190, rue Championnet  
75876 Paris Cedex 18, France  
33 1 44 85 45 28 • Fax 33 1 46 27 73 89  
[info@chauvin-arnoux.com](mailto:info@chauvin-arnoux.com)  
[www.chauvin-arnoux.com](http://www.chauvin-arnoux.com)