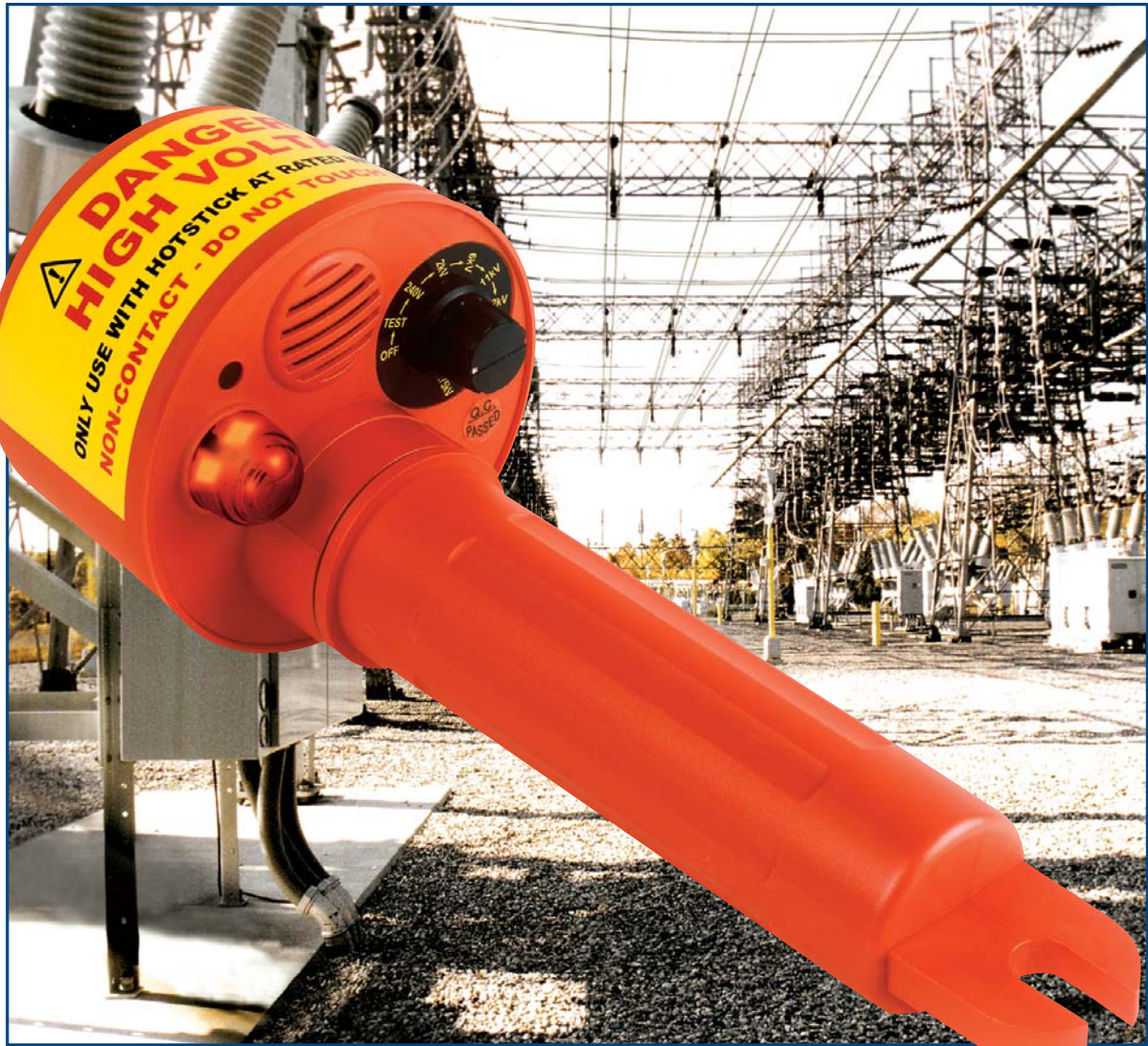


# Non-Contact High Voltage Detector Models 275HVD & 280HVD



The Models 275HVD and 280HVD are 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.

Model 280HVD has an automatic self-test that beeps every two seconds.

The Models 275HVD and 280HVD are 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 (Model 275HVD)
- Automatic self-test beeps every two seconds (Model 280HVD)
- Digital filter rejects signals outside of 40 to 70Hz
- Designed for use with hot sticks incorporating a universal spline adaptor

## 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

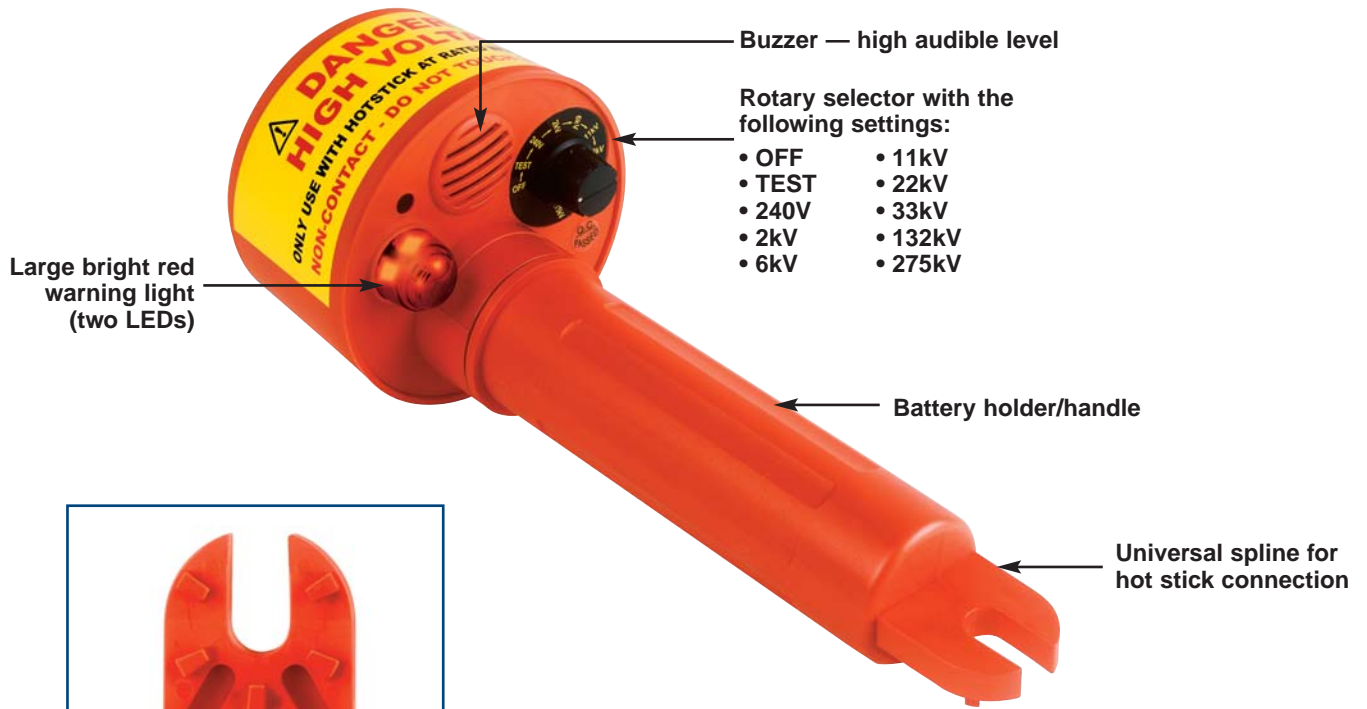


# Specifications

MODELS	275HVD	280HVD
<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	Automatic
Indicators	Bright red LED and audible buzzer	Bright red LED and audible buzzer
Power Source	Three 1.5V C cell batteries	Three 1.5V C cell batteries
Low battery indication	-	Intermittent beeps
<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



Models 275HVD and 280HVD include a padded carrying case, three C cell batteries and user manual.

## ORDERING INFORMATION

## CATALOG NO.

Non-Contact High Voltage Detector Model 275HVD (240V to 275kV) .....	Cat. #2131.12
Non-Contact High Voltage Detector Model 280HVD (240V to 275kV) .....	Cat. #2131.13

Includes three C cell batteries, padded carrying case and user manual

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