

Non-Contact High Voltage Detector

Model 275HVD



EXPERIENCE SAFE & RELIABLE CONTACTLESS DETECTION

This innovative device isn't just a tool—it's your frontline warning system on the worksite for detecting high voltage without any physical contact. Designed to alert you to the presence of voltage, the 275HVD utilizes an advanced internal sensor that detects radiated electrical fields (V/m) from energized conductors.

Plus, its universal spline design makes attachment to most hot stick adapters effortless, which makes integrating the 275HVD into your workflow seamless.

Stay Safe, Stay Informed
Choose the 275HVD for
Your Voltage Detection Needs!

Our products are backed by over 130 years of experience in test and measurement equipment, and encompass the latest international standards for quality and safety.

Technical Hotline: (800) 343-1391
www.aemc.com

 **AEMC**[®]
INSTRUMENTS
CHAUVIN ARNOUX GROUP

Non-Contact High Voltage Detector Model 275HVD

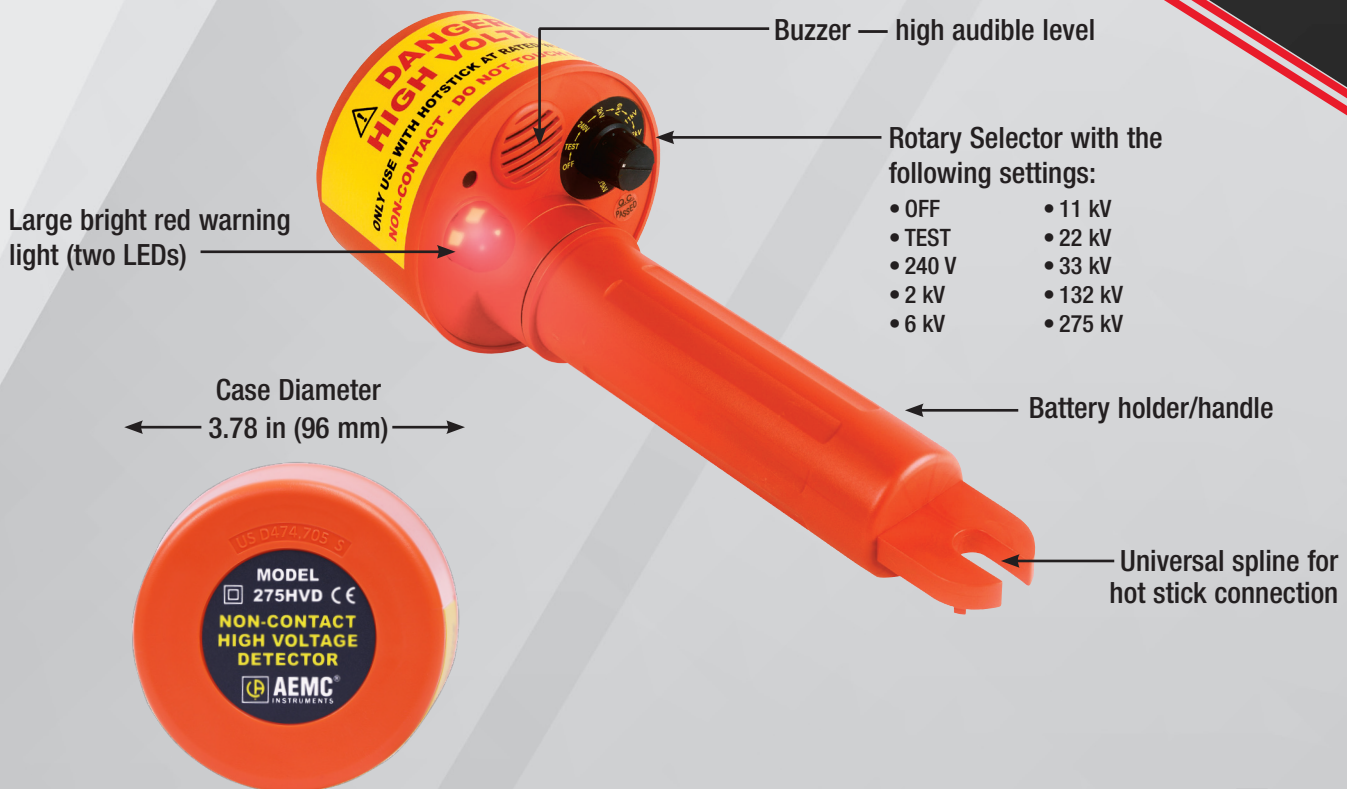
Designed to Detect the Presence of High Voltage Without Physical Contact

This device empowers operators to pinpoint potential hazards with precision. Featuring an 8-position rotary switch for detection range selection, this detector offers unparalleled sensitivity. The lower the setting, the greater the detection distance, ensuring you're always aware of potential hazards. The 275HVD features an auto-test setting to test the instrument before operating for peace of mind.

Powered by three standard 1.5 V Alkaline C cell batteries, this detector is always ready for both indoor and outdoor use. When it detects an electrical field, its high-pitched, high-powered buzzer and vibrant red warning light instantly alerts you to danger. Crafted from industrial-grade UL-rated polyamide (Type 66 Nylon), it's built to last.



CONSTRUCTION



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FEATURES

- Non-contact high voltage detector
- Wide range of detection; 80 V to 275 kV; one instrument fits all applications
- Eight-switch selectable voltage sensitivity ranges
- Audible and visual (LED) 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 shotgun adapter
- Lightweight, minimizes sway at the end of long hot sticks
- Suitable for indoor and outdoor use
- Easy access to batteries

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

PRODUCT INCLUDES

Hard carrying case, universal spline for hot stick connection, (3) C cell batteries, shotgun adapter and a user manual.

Note: Hot stick not supplied



ACCESSORIES/REPLACEMENTS

CAT. #5100.03

Battery housing with o-ring and spring



CAT. #5100.11

Universal Spline Adapter



CAT. #2131.36

Replacement Carrying Case



ELECTRICAL	
Detection Frequency	(45 to 70) Hz
Ranges	240 V, (2, 6, 11, 22, 33, 132, 275) kV
Detection	Selection range is detected at approximately 10 in (25 cm) from the voltage. Greater detection distances can be obtained at lower voltage positions.
Power Supply	(3) 1.5 V C cell batteries (included)
MECHANICAL	
Self Test	User selectable
Indicators	Bright red LED and audible buzzer
ENVIRONMENTAL	
Operating Temperature	(5 to 130) °F (-15 to 55) °C
Storage Temperature	(-4 to 150) °F (-20 to 65) °C
Humidity	Up to 93 % RH @ 104 °F (40 °C)
Electrical Safety	EN 61326-1, EN 61000-4-2, EN 61000-4-3, EN 55011

ORDERING INFORMATION

Non-Contact High Voltage Detector Model 275HVD (240 V to 275 kV, Manual self-test)

CAT. #2131.12



Technical Assistance (800) 343-1391

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