NON-CONTACT AC HIGH VOLTAGE DETECTOR
Model 275HVD

- Works on unshielded cables only
- 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 position 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
- Powered by three standard Alkaline C cell batteries
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.

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. A self-test position ensures that all circuitry and indicators are working properly before use.

FEATURES

► Works on unshielded cables only
► 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 position 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
► Powered by three standard Alkaline C cell 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
SPECIFICATIONS

MODEL  275HVD

ELECTRICAL

Ranges  240V, 2kV, 6kV, 11kV, 22kV, 33kV, 132kV, 275kV

Detection  Range selected @ approximately 10” (25cm); 45% to 65% of range @ approximately 4” (10cm)
Greater detection distance obtained with lower range setting (higher sensitivity) than working voltage

Detection Frequencies  40 to 70 Hz

MECHANICAL

Self Test  User selectable
Indicators  Bright red LED and audible buzzer
Power Source  Three 1.5V C cell batteries
Dimensions  3.78 x 9” (96 x 229mm)
Weight  1.30 lbs (0.59kg) batteries included

ENVIRONMENTAL

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

Large bright red warning light (two LEDs)

Battery holder/handle

Universal spline for hot stick connection

ORDERING INFORMATION

Non-Contact High Voltage Detector Model 275HVD (240V to 275kV)  CATALOG NO.

Cat. #2131.12

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

Technical Assistance (800) 343-1391 www.aemc.com
AEMC® Website

The AEMC® website offers a wide assortment of technical product information, software and firmware updates, user manuals and printable data sheets for all AEMC® products. View AEMC®’s upcoming trade shows and training seminars that take place across the country, read about AEMC®’s NEW products and register purchased AEMC® products. Visit us at www.aemc.com

AEMC® Storefront

The AEMC® online store offers the opportunity to purchase replacement parts such as fuses, test leads and other accessory items for your test instruments. The online store also offers refurbished and discontinued items at a reduced price. Product specials are also offered. Visit the store at www.aemc.com/store

Technical Sales and Assistance

If you are experiencing any technical problems, or require any assistance with the proper use or application of any AEMC® instrument, e-mail our technical hotline at techsupport@aemc.com