HIGH VOLTAGE PROXIMITY DETECTOR

AD INSTRUMENTS

- Sealed by "0" rings
- 8 voltage settings : 240Vac, 2kV, 6kV, 11kV, 22kV, 33kV,132kV, and 275kV
- High bright LEDs visual indication
- Sound indication
- Easy-to-proov method
- Self-test selection
- Use 3 x 1.5V "C" batteries
- High impact nylon casing
- Non-contact work by proximity
- Compatible with most link sticks
- Light weight, robust, & compact
- Suitable for indoor and outdoor use
- Detect low voltage on any systems
- Easy access to batteries
- No special parts needed
- Simple and efficient to use
- Meets EN61000-3-2 EN61000-3-3 EN61326-1 EN55011 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11

The SEW 275 HP is a high voltage proximity detector. It has eight voltage detection settings from 240Vac to 275kVac. The 275 HP consists of an internal pickup sensor plate, a sensitivity selector, a visual and a sound annunciator. With the 275 HP, physical contact with electrical conductors is not necessary when testing for live lines. This tester works by proximity.
Its sensor senses the radiated field which surrounds live conductors. Radiated field strength increases with voltage and decreases quickly with distance or earth shielding. The radiated field from a cable of closely bunched conductors supplied by three phase power tends to cancel (See "Limitations of use" paragraph).
Detecting distance of a 250Vac single live wire is approximately 10cm. With a bunched neutral and earth cable, as in a flexible cable, the distance is reduced to 5cm.
Some of the typical uses are : identify and check live cables ; find fault in flexible cables ; check earth equipment ; service neon lightning ; trace live wires ; check high frequency radiation ; detect residual or induced voltages. For example, faults in damaged flexible cables are found by applying low voltage to each conductor. Earthing the remainder and moving the tester along the cable until the change in condition is obtained. (Flexible cables which are used in mining and building industries, are readily repairable when the break in the cable is located.)
When testing for high voltage, the rotary switch (attenuator) is used to identify and differentiate various HV live cables. The tester must be used in conjunction with a long and insulating rod when measuring high voltage (kV). However, the 275 HP is a noncontact tester and it is advised that the tester should never come into contact with cables (kV) as this tester is merely a non-contact AC proximity tester.
Checking or proofing the tester is easy. Switch the sensitivity to 240V and place the dome against a low voltage live conductor or rub the dome with a cloth or against an item of clothing as this generates a static DC which triggers the detection of circuit. The light and beeper should go "on" as if a live wire is being.

SPECIFICATIONS	275HVD
ELECTRICAL	
Detection frequency	40 to 70Hz
Ranges	240v, 2Kv, 6Kv, 11Kv, 22Kv, 33Kv, 132Kv, 275Kv
Detection	Scale selection is detected approximately to 10” (25cm) from voltage. Higher detection distances can be obtained reducing sector voltage.
MECHANICAL	
Self test	User’s selection
Indicators	Red high bright LED and sound indication
Alimentación	Three 1.5V C batteries
ENVIRONMENTAL	
Operation temperature	-15º to +55ºC (5º to 130ºF)
Temperatura de almacenaje	-20º to +65ºC (-4º to150ºF)
Humidity	0 to 93% RH @ 40ºC (104ºF)