

Operating Instructions

THE VOLT SENSOR

Model VH-601A

The Model VH-601A brings state-of-the-art technology to non-contact voltage detection. The Volt Sensor is meant to detect 100-600 VAC with respect to ground by simply grasping the instrument in your hand and placing the tip near a live wire.

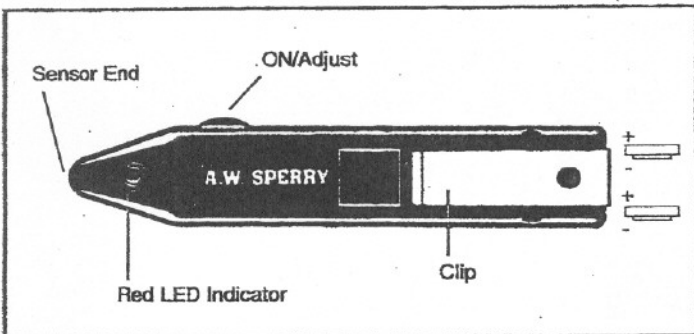
FEATURES

- Non Contact Voltage detection Voltage Detectable on lines between 100-600 VAC
- Reads hot wire with respect to ground. Easy to recognize audible and visual indication.
- Compact, light, sleek, hand-held design, complete with a durable built in pocket clip.

RATING & SPECIFICATIONS

Model:	VH-601A
Working Voltage Range:	100-600 VAC max to ground
Frequency:	50/60Hz
Dielectric Strength:	2000V, 1 minute, 100uA or less during dielectric strength test
Operating Environment:	32° to 104° F (0° to 40° C). 80% RH max. 50% RH above 31° C.
Battery:	Two (2) 1.5V button type batteries, AWS Part #B-6 (IEC #LR-44, NEOA # 1166A)
Dimensions:	5.2"H x 1"W x .8"D (130 x 26 x 20mm)
Weight:	1.4 oz (40g)

If the equipment is used in a manner not specified by A.W. Sperry the protection provided by the equipment may be impaired.



OPERATION

1. Remove the clip, insert the two button cells. Be sure the batteries are inserted in correct polarity as indicated. Place the clip on.
2. Turn side knob to "ON" position (a click indicates unit is on), the red LED will light up and the buzzer will sound. Continue turning the knob down just until the buzzer and red light go out. This is the maximum sensitivity setting. To reduce sensitivity, continue turning knob down.
3. Check device with a known live current source (wall receptacle or cord). The Volt Sensor is operative if the red LED light remains on and the "beep" sound continues in close proximity of a cord connected to a power source.

4. After checking the above performance, you may now test the circuitry in question.

Hold the Volt Sensor in your hand by grasping the clip side firmly. Test the Volt Sensor with a known live line to check if it is working properly. Simply bring the sensing tip near by subject line to detect a voltage. In an environment where there are live wires and de-energized wires we recommend to slightly desensitize the instrument with the On/Adjust knob to find a particular dead wire. This way neighboring energized conductors will not activate the Volt Sensor. If you make the Volt Sensor more sensitive, you can detect a voltage from further away.

Warning

The Volt Sensor will detect voltages between 100V and 600VAC. Do not assume that no indication means 0 (zero) volts. Voltages below 100V may not be detected by the Volt Sensor and pose a shock hazard. These voltages can cause serious personal injury.

CAUTIONS

1. Instrument indicates positive presence of voltage between 100-600 VAC. Do not assume that no indication means a dead or de-energized circuit.
2. Do not operate without clip in place to avoid electric shock.
3. 600VAC is the maximum voltage that this instrument is designed to detect. Do not use for DC.
4. Voltage detector will not read voltages through metal conduct or the like, and may not read through walls at a distance:

- Instrument complies with insulation category (overvoltage category II).
- Pollution degree 2 accordance with IEC-664.
- Remove grease and grime with a clean, dry cloth.



WARNING: DO NOT OPERATE WITHOUT BATTERY COVER IN PLACE!



AVIS: NE PAS OPERER L'APPAREIL SANS LE CAPOTAGE DE LA BATTERIE.

Packaged complete with two button cell batteries and operating instructions. Install batteries before use.

ONE YEAR LIMITED WARRANTY

A.W. Sperry Instruments, Inc., warrants that this AWS instrument has been carefully tested, inspected, and warranted for one (1) year from the date of purchase by the original end user purchaser provided the instrument has not been misused, damaged due to negligence, neglect or unauthorized repair, abused or used contrary to the operating instructions. Instruments and proof of purchase in the form of a legible copy or original of the sales receipt clearly identifying the distributor, model number and date of purchase must be returned to A.W. Sperry Instruments Inc. Attention: Customer Service Center, 245 Marcus Boulevard, Hauppauge, New York 11788, postage prepaid for examination and verification of manufacturing defect under warranty. A.W. Sperry Instruments Inc. shall be the sole judge of such defect. The liability of A.W. Sperry Instruments Inc. shall be limited to the repair or replacement at its option of any defective product.

A.W. Sperry Instruments, Inc.
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