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Defective Grounds: Electrical equipment that has a metal enclosure and is improperly grounded or has a defective ground will always result in the Sensors tip emitting a steady red glow. If there is enough electrical field present on the metal enclosure, the result will be a steady red glow and an audible tone.

Always Ready For Use
No Switch required Competing products require an ON/OFF switch. Switches must be turned on and can malfunction over time.

Sound & Visual Alert
Sound and bright red glow indicates the voltage. With the Ultimate AC Sensor, the audio alert does not go off from contact with static electricity; it only reacts to AC voltage. Our AC Sensor is able to tell the difference between static charge and AC current. Competitors’ audio alerts constantly go off when the tool comes in contact with static electricity.

Operating Instructions
The “Santronics Ultimate AC Sensor” is a hand held device for determining the presence or absence of AC voltage in insulated wires, wall receptacles, fuses, junction boxes, switches and any other voltage carrying electrical systems. It is not necessary to disconnect the system in question because no contact is required for operation and current flow is not necessary to locate voltage. Simply touch the plastic tip to a connection point or move it along an insulated wire. If AC voltage is present, the Ultimate AC Sensor will sound an audio alert and an LED light in the probe tip will glow bright red. The illumination will stop at a break in the circuit or wire, and this alert and an LED light in the probe tip will glow bright red. The sensor AC is capable of differentiating between the AC and the static charge and AC current.

Why Probe Tip Flickers
This instrument is so reliable in locating voltage that it will react to static electricity by flickering. This is not to be confused with power interruption due to power surges or power outages. Static electricity from the operator is sufficient to cause the AC sensor to react.

Caution 1
Prior to each use, as a safety precaution, always test the instrument on a known live circuit to ensure proper operation. Always treat your AC Sensor with care as you would any other test instrument. Clean the Ultimate AC Sensor with a damp cloth.

Caution 2
In testing indoor romex cable where the fibrous filler becomes saturated with water, which is conductive, an electrical connection is formed between the filler and the ground circuit. The length of cable that has become wet is essentially shielded. If a voltage is present on a conductor in this cable, the electric field normally radiated by the AC Sensor may not allow even though a voltage is present. Therefore, always approach wet indoor romex cables with utmost caution. NOT FOLLOWING THESE CAUTIONS MAY RESULT IN BODILY HARM.

Alerta Visual y de Sonido
El sensor y la luz roja brillante indican el voltaje. Con el último sensor AC, la alerta de sonido no se apaga por el contacto con la electricidad estática, solo reacciona con el voltaje de corriente alterna. Nuestro sensor de corriente alterna (AC) es capaz de diferenciar entre la carga estática y la corriente alterna (AC). Las alertas de sonido de la competencia constantemente se apagan al contacto de la energía estática.

Instrucciones de Uso
El “Ultimo Sensor de corriente alterna Santronics“ es un dispositivo de mano para determinar la presencia o ausencia de corriente alterna (AC) en cables aislantes, interruptores de pared, fusibles, cajas de conexiones, interruptores y cualquier otro sistema de voltaje de corriente alterna. No es necesario desconectar el sistema en cuestión porque ningún contacto es requerido para la operación y el flujo de corriente no es necesario para localizar el voltaje. Simplemente toque el extremo de prueba a un punto de conexión y mueva el cable aislante hasta alargar el cable aislante. Si el voltaje de corriente alterna está presente, el último sensor de corriente alterna (AC) emitirá una alerta de sonido y una luz roja en el extremo de sondeo brillará. La luz parará en un roce del circuito del cable y esto permite que el sensor AC sea usado como un instrumento de resolución de problemas. Siempre tome la unidad por el cuerpo de esta (2). Mantenga los dedos lejos del extremo de prueba (3).

Porqué el Extremo de Prueba Titila
Este instrumento es tan confiable localizando el voltaje que reaccionará a la energía estática por un título. Esto no puede ser confundido con el voltaje de corriente alterna que genera un brillor estable. El timbre de sonido no reaccionará a la energía eléctrica.

Precaución 1
Anterior a cada uso, como una medida de precaución, siempre pruebe el instrumento en un circuito conocido para asegurar su correcta operación. Siempre trate con cuidado el sensor de corriente alterna como si fuera otro instrumento de prueba. Limpie el último sensor AC con un trapo de limpieza humedecido.

Precaución 2
En la prueba de un cable romex de interiores donde el relleno de fibra se satura con agua, que es conductiva, una conexión eléctrica es formada entre el relleno y el circuito de polo a tierra. La longitud del cable que se moje está esencialmente protegida. Si un voltaje está presente en el circuito del conductor, el campo eléctrico normalmente radiante por el voltaje será atenuado por este campo y el sensor AC puede no brillar, así un voltaje está presente. Por lo tanto, siempre asegúrese de que el sensor AC sea usado como un instrumento de prueba siempre que el cable romex de interiores sea usada.

Todos los sensores de este tipo pueden exhibir las mismas características cuando están usados en condiciones extremas como inundaciones. El cable romex de exteriores no es afectado por el agua.
Product Specification Guide

Santronics Ultimate AC Sensor

Type: Non-Contact Voltage Sensor
Operating Range: 50-1000 Volts AC
Requires No Switch
CAT III (UL), CAT IV (TUV)

All surfaces are totally non-conductive for operator safety

Outer Surface
Non-conductive body, probe and cap composed of injected molded high-impact nonflammable polycarbonate, with a dielectric of 220 Volts AC potential at 60 Hertz

Operating Voltage
50-1000 Volts AC

Batteries
2 (two) replaceable “AAA” alkaline batteries included

Operating Temperature
-20° C to +55° C

Circuit Board
Surface mounted components on FR-4 substrate

Light Source
One high-intensity SMD LED for maximum illumination

Weight
46.2 grams with batteries

Dimensions
5.85” length; .70” width; .56” height

Breakdown Voltage
4000+ Volts AC

Operating Principle
This instrument senses the electrical field produced by AC voltage through insulation, without touching the conductor. A constant bright red glow with alternating sound will indicate the presence of AC voltage

Printing
High adhesion pad printing for maximum resolution and definition