

Item #: HOTSTICK **Description:** AC Hot Stick – Voltage Tester

The AC Hot Stick consists of a high sensitivity AC amplifier for the frequency range below 100 Hz. The special logarithmic amplifier is capable of receiving AC signals over a very wide amplitude range. Such signals, emanating from an unshielded, voltage-carrying surface, can be made audible and visible as a warning.



• PVC Plastic Housing	• Signal Indication – Audible and Visual
• Built-in Self Test when operated	• Water Resistance – Splash Proof
• Frequency Range – 20Hz to 100Hz	• Temp Range
• Batteries – 4 x AA Alkaline	- Operational -30°C to +50°C
• Built-in low voltage warning	- Storage -40°C to +70°C

Information:

Dimensions: L x Ø mm	521 x 45
Weight: Kg	.57
Warranty:	12 Months
Manufacturer:	Hot Stick USA
Country of Origin:	USA

Service Intervals	The Hot Stick has a built in self test circuitry together with a low battery watch dog. Every time the unit is turned on it will self test and there are no further tests required.
*Operational /Service life expectation	

* Operational/Service life Expectation is an estimation of the whole of life period of each product when installed, maintained and serviced according to the manufacturers recommendation or their warranty conditions. This information is provided as an indicative guide only and in no way implies or suggests an extended warranty or any responsibility of the manufacturer or BRT Fire and Rescue Supplies beyond the nominated warranty period.



Operation:

- Hold the HOT STICK by the grip at the lanyard end. The red striped area in the front indicates the sensing section.
- Turn the unit on: Rotate the ring of the Mode switch in the direction of the arrow to the **High Sensitivity** setting.
- Allow the unit to self test as follows;
 - After turning the switch to **High Sensitivity** wait for completion of the self test cycle (at least 3 seconds).
 - Listen for beeping and look for the flashing LED light.
 - **DO NOT USE** unit if there is no beeping, or no flashing light, or it puts out a steady tone or if the unit chirps and/or goes through self-test when tapped.
- After the self test has stopped, move the HOT STICK around slowly.
- Continue to use the **High Sensitivity** setting until the general location and direction of the unshielded AC Voltage is determined.
- As the HOT STICK is brought closer to exposed AC voltage, the unit will start to beep and the LED flash.
- Beeping and LED flashing will become more rapid as the sensing section is brought closer to the source.

The unit may beep occasionally even when no AC is around. This is normal and frequently occurs while the stick is in motion and/or touching leaves. It can be caused by electrostatic charges and other fields. Hold unit still while checking.
- The higher you hold the unit or the higher the wires are above the ground, the earlier a source can be detected.
- Once AC has been clearly detected and the HOT STICK beeps rapidly, select as needed the **Low Sensitivity** or the **Front Focused Mode** to pin point the sources.

Warning

- In the FRONT FOCUSED MODE the unit will pick up signals mainly from the front tip end. Do not use this mode when starting a search. The sensitivity is greatly reduced and the set will no longer pick up signals from certain distances and directions. Extreme caution must be exercised to prevent inadvertent contact with live wires which may not be detectable in these modes, especially if multiple live wires may be present.

