

STB ELECTRICAL TEST EQUIPMENT, INC.

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OPERATING INSTRUCTIONS FOR VOLTAGE SENSORS—All MODELS

Selector switch positions

BT - Battery Test

C - "Capacitance Test Point" (When equipped)

The unit is equipped with two levels of direct contact. The number on the switch represents the maximum level of voltage applied in kilovolts

I. Uses

- A. STB's Voltage Sensor satisfies two common applications called for in voltage detection.
 1. Voltage indications on the usual exposed bus-work and terminals.
 2. Provides a positive voltage indication on insulated cables that have a capacitance test point
- B. This instrument offers two or three degrees of sensitivity. Capacitance Test Point (When equipped) and two levels of "Direct Contact"
- C. The meter is completely shielded so it reads only the metallic contacted points.
- D. Most units are offered with back lighting. Please call for specifics.
- E. Specific voltage ranges are available as well.

Proof Testing (***ALWAYS TEST PRIOR TO USE***)

- A. Check internal battery first.
- B. Use BT (Battery Test) position on unit to make sure meter needle deflects. Look for 3/4 deflection. (See Maintenance)
- C. With meter probe make contact with raised washer on tester (located on the bottom left side of tester).
- D. Depress washer until red indicator glows. (If no light or deflection, see maintenance) Look for 2/3 deflection or better on "C" setting or numbers below 25 and 1/3 for numbers above 25
 1. **If no meter deflection is obtained, do not attempt to use the meter!**
- E. ***Always use proper safety equipment and follow your company's procedures when making live measurements!***

NOTE: POSITIVE DEFLECTION ON THE METER DURING PROOF TESTER OPERATION DOES NOT PROVE ACCURACY OF CALIBRATION. THE VOLTMETER SHOULD BE SCHEDULED FOR ANNUAL CALIBRATION CHECKS AND INSPECTIONS FOR SAFETY AND RELIABILITY.