BD-10AS HIGH FREQUENCY GENERATOR

Model Introduction:

Generates a spark at a high voltage and frequency, used to detect pinholes and vacuum leaks, and in the classroom to light spectrum tubes and florescent lamps. It is lightweight, self-contained hand held, with a momentary switch on the side to control the high voltage output. For light duty, intermittent use. Not to be operated for more than 10 minutes at a time, with a cool down period to follow.

Key Features and Operating Characteristics:

It is made of durable plastic, with an 8 ft. cord. It has a control knob on the high voltage handle to adjust the output voltage. Features a spring-loaded switch on the side, when pressed in, allows the high voltage to be energized. When the switch is depressed, it de-energizes the high voltage coil. But power is still applied to the unit regardless of the switch position. The electrode used provides safety by using a spacer to isolate power line voltage in the event of a internal short-circuit with the device.

Output voltage is adjustable from 20,000 to 50,000 Output frequency is 500 kHz. Output current is approximately 0.1 mA maximum. Separate models operate from either 115 or 230 VAC, 50/60 Hz. Overall dimensions: 11x2.5 without electrode. Weight: 3 lbs.

Key Applications and Accessories:

Can detect pinholes in linings, vacuum checking and related applications, including:

- plastic, glass, or rubber linings, ¼ to 1 in. thick, on metal tanks
- integrity of welds in plastic tanks
- vacuum checking of neon signs, lamp bulbs, pharmaceutical vials, double pane glass windows
- electro-static discharge testing
- spectrum tube, fluorescent lamp and plasma ignition

Accessory electrodes included are the 12101 Blunt Tip. Other accessories electrodes facilitate testing larger surfaces, include the 12141 Fan Tip; 4 in. 12121 and 8 in. 12131 brass brush; 4 in. 12401 and 8 in. 12421 T-Tips. For work with glass, the 12111 Spring Tip is useful.

The 12701 Peak Voltage Calibrator accessory permits accurate measurement of the output of this model.