

## T-303 High Voltage Surge Generator

The T-303 High Voltage Surge Generator is used to generate the high voltage surge pulse necessary to test for a high resistance fault or flash-over fault in power cables. When used in conjunction with either the T-903A Power Cable Fault Locator for pre-location and the T-505 Pinpoint Fault Locator, the combination can accurately determine the location of the fault.

In addition, when used with a digital ammeter with the appropriate capabilities, it can be used to detect current leakage for power cables rated for 6kV or below.

The T-303 features;

- Three(3) selectable output modes;
  - DC
  - Single Pulse, or
  - Periodic pulse.

### **Performance:**

- Output voltage: 0 to 32kV, negative polarity, continuously adjustable
- Nominal capacitor: 2  $\mu$ F
- Transmission mode (selectable):
  - DC,
  - Single Pulse,
  - Periodic Pulse
- Charge current:  $\geq$  50mA at peak value
- Pulse power: 900 J
- Discharge interval: 0 to 30 seconds, adjustable.

### **Specifications:**

- Power: 220VAC @ 50Hz
- Operating temperature: 0°C to +40°C
- Altitude: < 1,000m
- Humidity: 70% maximum @ 40°C
- Dimension: 450mm (17.75") x 370mm (14.50") x 500mm (19.75")
- Weight: 30.0 Kg (66 lbs)

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