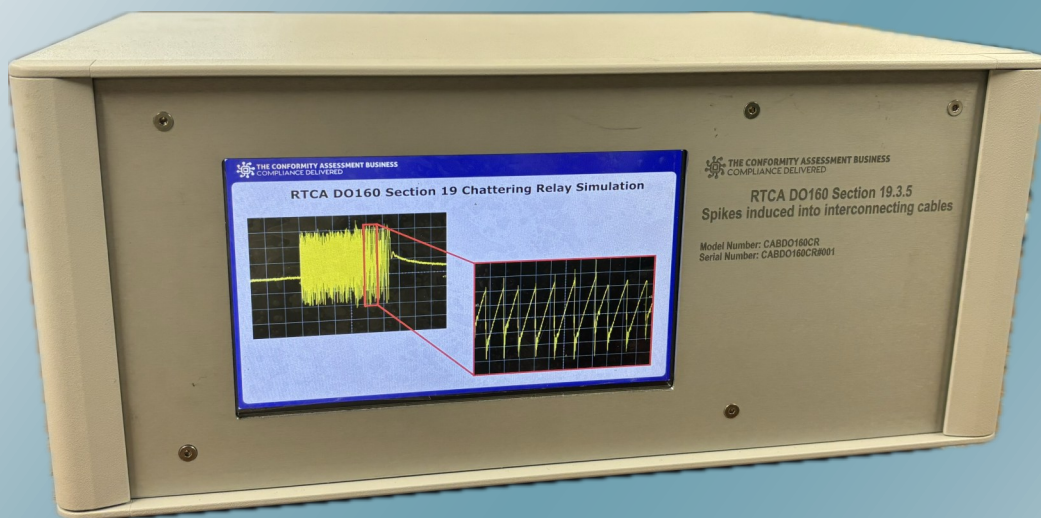


PRODUCT: Voltage Spike Generator

TEST STANDARD: RTCA DO160 Section 19.3.5, Boeing D6-16050-4 Section 7.5.2

The Conformity Assessment Business Voltage Spike Generator simulates the transient that occurs as a result of arcing on high voltage unsuppressed relay contacts. This is a pulse of noise that is typically 50 to 1000 microseconds long containing individual noise spikes that have a period of between 0.1 and 10 microseconds and are over 600 V in amplitude. The Generator output meets the waveform requirements of both RTCA DO160 and Boeing D6-16050-4.

Voltage Spike Generator Model: CABDO160CR



Technical Data:

Generator

- Typical Pulse Length: 150 μ s
- Typical Spike Period: 2.3 μ s
- Typical voltage > 600 V < 1 kV
- Polarity — Positive or Negative
- Frequency—Fixed operating frequency of 9 Hz

Control is by 7 inch LCD touchscreen with the following parameters user settable:

- Test Duration
- Polarity
- Relay Duty Cycle—This adjusts the pulse shape and is adjusted for best performance with the specification

Output

- Main output for wire wrap—4mm Shrouded Banana
- Direct Measurement Port (for 100:1 Oscilloscope Probe) - 4 mm Shrouded banana
- Ground connector for connection to the Reference Ground Plane—4 mm Shrouded Banana

Scope of Supply

- Test Generator, 7 m wire wrap cable, 4 m wire wrap cable

