

# Bourns BTX Facility Testing Capabilities

2019

**BOURNS®**

# Bourns Texas (BTX)

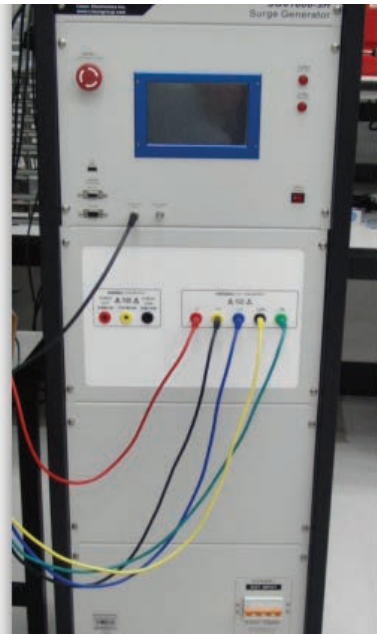
- 40 kA Current Generator
  - Waveform = 8/20  $\mu$ s, 0.5 ohm
  - Metallic Mode = up to 40 kA
  - Common Mode = up to 20 kA Each Line to Ground Simultaneously (ELTGS)
- 8 kA Current Generator (Conversion from 40 kA Current Generator)
  - Waveform = 10/350  $\mu$ s, 1 ohm
  - Metallic Mode = up to 8 kA
  - Common Mode = up to 4 kA Each Line to Ground Simultaneously
- Keytek Module 501A (Combination Wave Generator)
  - Impedance = 2 ohm
  - Voltage 1.2 / 50  $\mu$ s, 6 kV
  - Current 8/20  $\mu$ s, 3 kA



# Bourns Texas (BTX)

- Keytek Module 502
  - Impedance = 0 ohm or 25 ohm
  - Voltage 10 / 700  $\mu$ s – 6 kV
  - Voltage 0.5 / 700  $\mu$ s – 6 kV
- Keytek Module 506
  - Impedance = 50 ohm
  - Voltage 2 / 10  $\mu$ s – 5 kV
  - Current 500 A
- Keytek Module 509
  - Impedance = Varies
  - Voltage 1.5 kV
  - Current 100 A





# Bourns Texas (BTX)

- Lisun Combination Surge Generator
  - Impedance = 2 ohm
  - Max Voltage 15 kV
  - Max Current 7.5 kA
  - AC Coupling / Decoupling Network (CDN)
  - Surge on defined phase angle (0, 90, 180, 270)
  - Designed to IEC 61000-4-5
- 300 V AC Power Supply
- Sorenson 600 V DC Power Supply
- Impulse Tester – 100 V/ $\mu$ s and 1000 V/ $\mu$ s
- DCBD Tester – 200 V/s and 1000 V/s
- Heating Chamber to 125 C $^{\circ}$