



BSP3 Surge Protector “End-of-Life” Test Procedure

When a BSP3 Surge Protector reaches “end-of-life”, current still passes to the fixture. The luminaire continues to operate. This test is the only reliable way to determine whether or not a Surge Protector has reached end-of-life.

Test equipment:

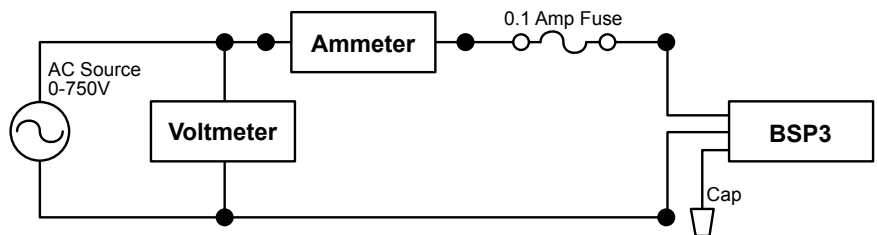
- Ohmmeter Continuity Test
- Current Meter 0 – 5 Amp
- AC Voltage Supply 0 – 750VAC
- Fuse 0.10 Amp
- Voltmeter 0 – 750VAC

Test For 10kA models

- Connect current meter and 0.1A fuse in series with the surge suppressor being tested.
- Starting at zero volts, **very** slowly (10 volts/second) dial up the voltage and monitor the current
- You should see current of > 0.05 amp beginning to flow within voltage ranges show below. (Do not raise the voltage higher than the values listed below.) If there is no current flow when you reach the upper voltage limit, the surge protector has reached end-of-life.
- Once the current starts to rise it will climb very fast; the 0.1A fuse will protect the surge suppressor from damage during test should the voltage go too high.

BSP3-120	150 – 250V
BSP3-208-240	300 – 400V
BSP3-277	350 – 450V
BSP3-347	480 – 600V
BSP3-480	580 – 750V

- Repeat Test on all 3 pairs of leads
- A. White - Black
 - B. White - Green
 - C. Black - Green



Test For 20kA models

Check continuity between all 3 pairs of wires (*Should Be OPEN*)

- A. White - Black
- B. White - Green
- C. Black - Green

Short or 0 ohms indicates end-of-life

