

## SPD wiring suggestions

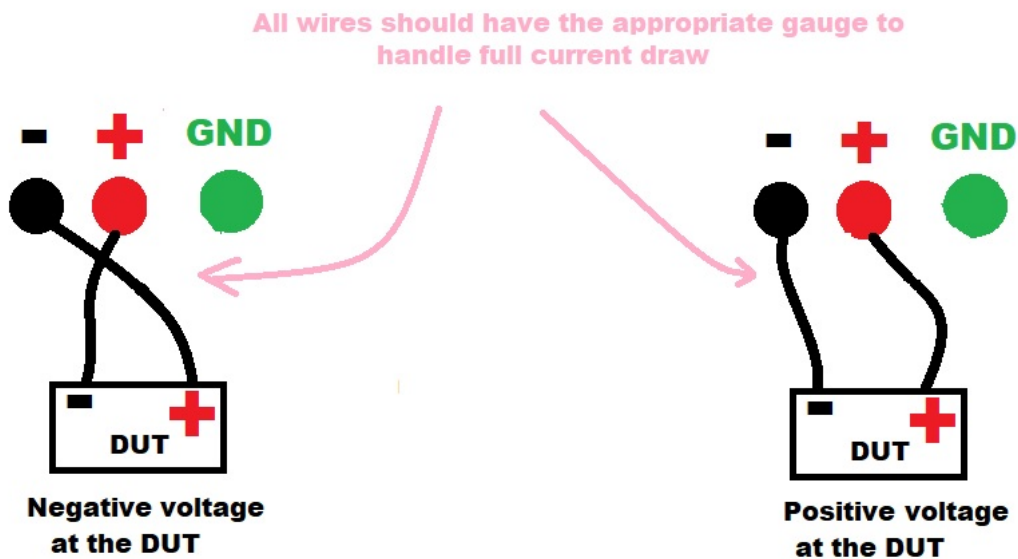
March 07, 2019

The SIGLENT SPD series of power supplies have only positive voltage and current setpoint values. That is, you can select voltages or currents that are from 0 to the max value (0-32 V, for voltage.. as an example for the SDP3000X/X-E).

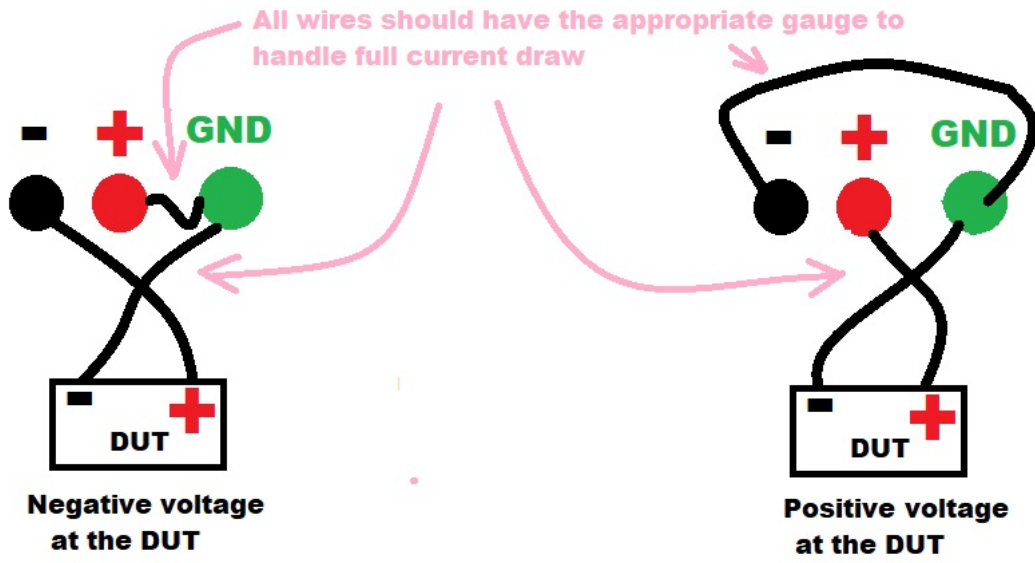
Here are the suggested wiring configurations to achieve both positive and negative potentials at the device-under-test (DUT):

**NOTE:** It is critical to select wire that can handle the full current and voltage of the supply. You can find numerous wire gauge recommendations, but here is one from Engineering Toolbox: [https://www.engineeringtoolbox.com/wire-gauges-d\\_419.html](https://www.engineeringtoolbox.com/wire-gauges-d_419.html)

### Floating Wiring Configuration:



### Grounded Wiring Configuration:





### **North American Headquarters**

SIGLENT Technologies America, Inc  
6557 Cochran Rd Solon, Ohio 44139

Tel: 440-398-5800

Toll Free: 877-515-5551

Fax: 440-399-1211

[info@siglent.com](mailto:info@siglent.com)

[www.siglentamerica.com/](http://www.siglentamerica.com/)

### **European Sales Offices**

SIGLENT TECHNOLOGIES EUROPE GmbH

Staetzlinger Str. 70

86165 Augsburg, Germany

Tel: +49(0)-821-666 0 111 0

Fax: +49(0)-821-666 0 111 22

[info-eu@siglent.com](mailto:info-eu@siglent.com)

[www.siglenteu.com](http://www.siglenteu.com)

### **Asian Headquarters**

SIGLENT TECHNOLOGIES CO., LTD.

Blog No.4 & No.5, Antongda Industrial Zone,

3rd Liuxian Road, Bao'an District,

Shenzhen, 518101, China.

Tel: + 86 755 3661 5186

Fax: + 86 755 3359 1582

[sales@siglent.com](mailto:sales@siglent.com)

[www.siglent.com/ens](http://www.siglent.com/ens)