

SPD1000X Over Current Protection (OCP) function added in Firmware Revision 2.1.1.9

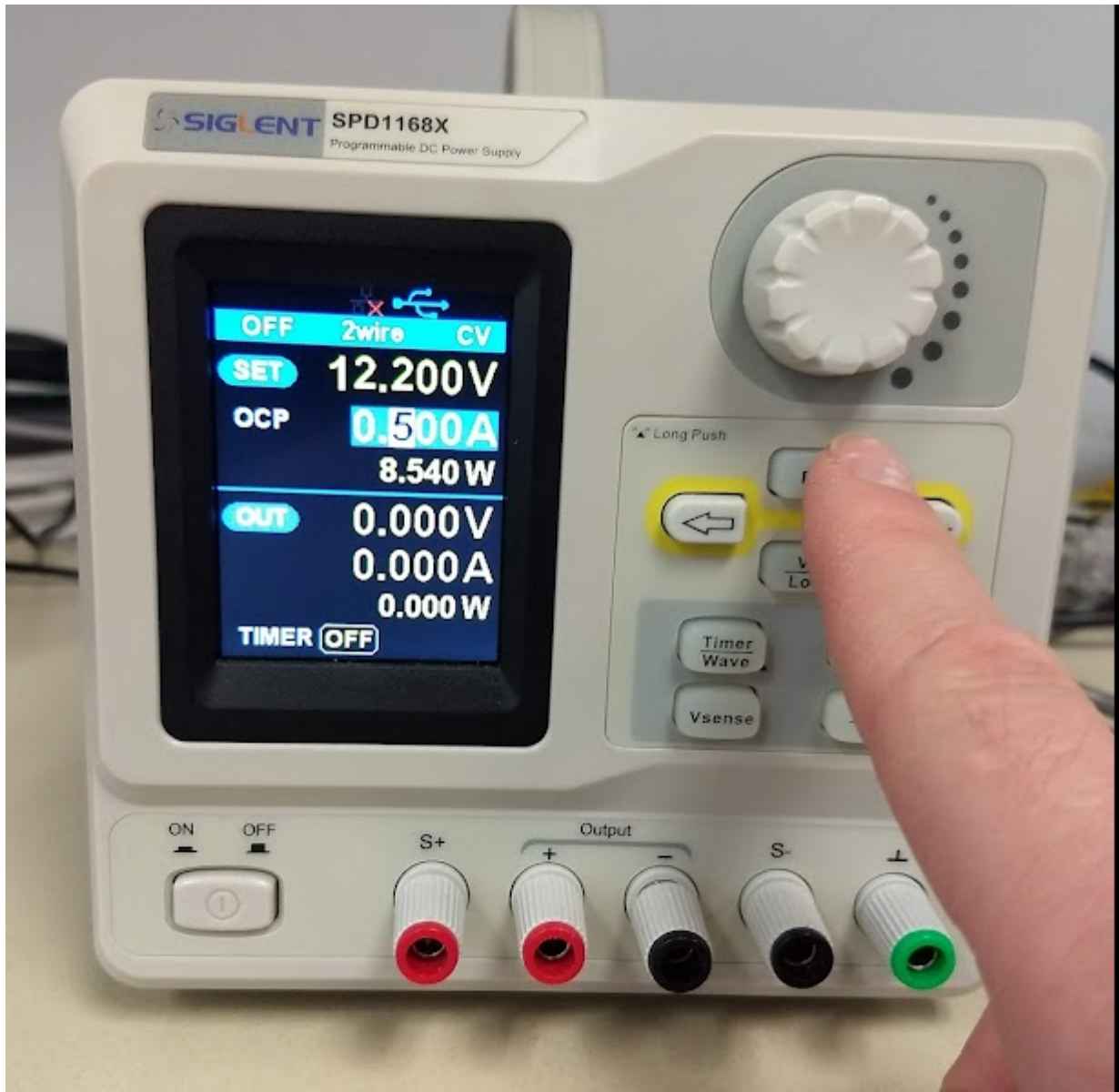
March 16, 2022

Over Current Protection (OCP) has been added to the SIGLENT SPD1000X series of single-channel power supplies with the [SPD version 2.1.1.9](#)

The OCP function quickly disables the output when the current draw from the supply surpasses the set limit current.

1. Update the [firmware](#)
2. Set the OCP value by pressing and holding the FINE button on the front panel. After a few seconds, the OCP label will appear:

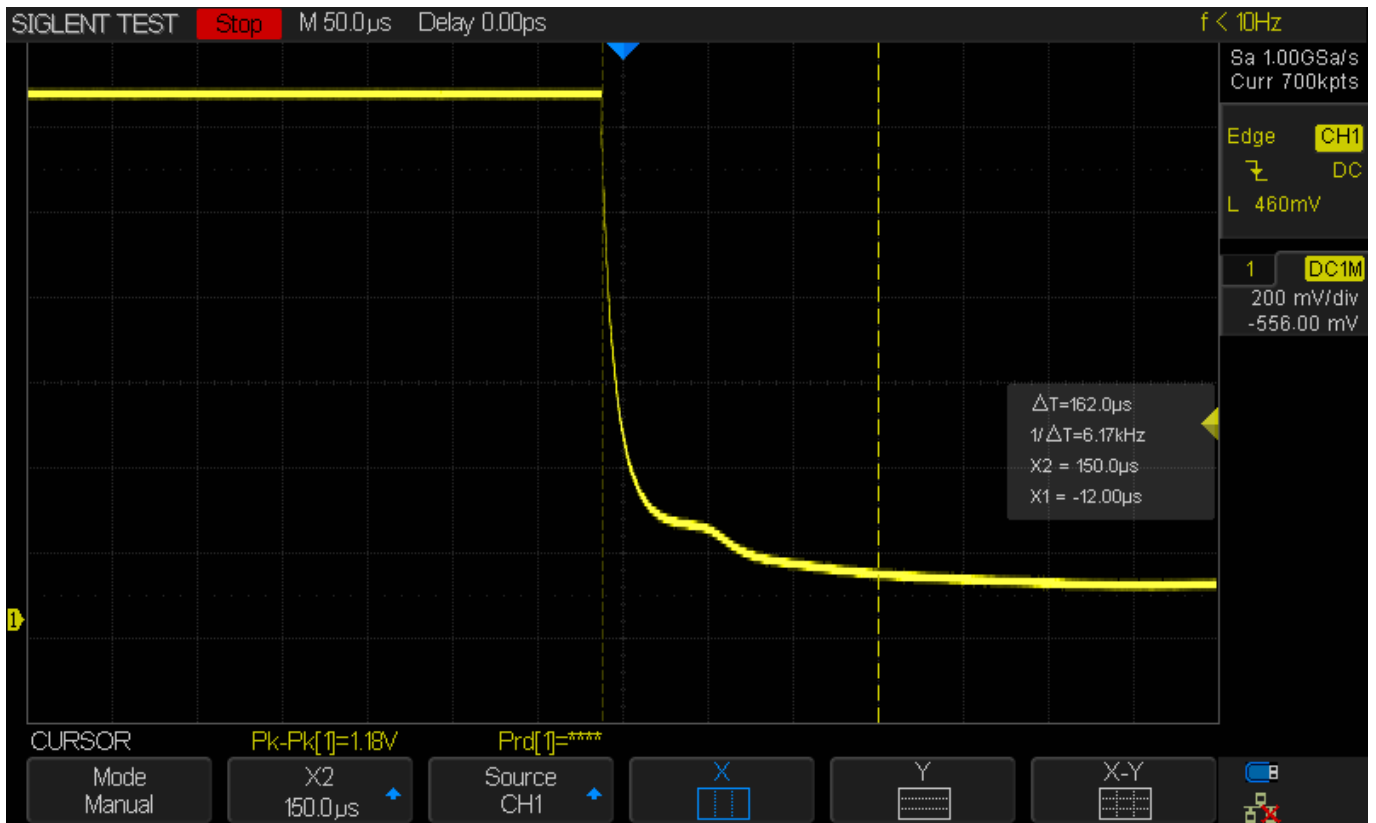




3. Set the OCP current value using the knob and right/left arrows to adjust.
4. Long press the FINE button to remove the OCP menu selection.
5. If the output exceeds the setpoint, the instrument will immediately disable the output and briefly show an error:



Here is an oscilloscope trace showing a shorted output causing an overcurrent situation (OCP triggered):





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
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
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
www.siglent.com/ens