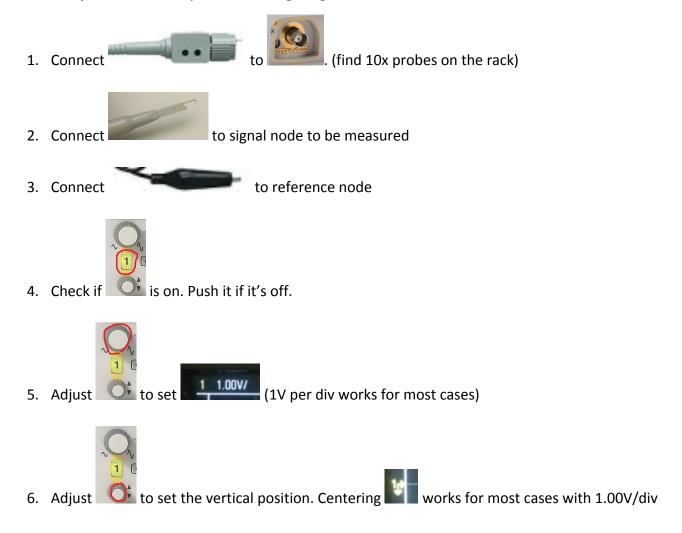
## Quick equipment guide for SP EE16b

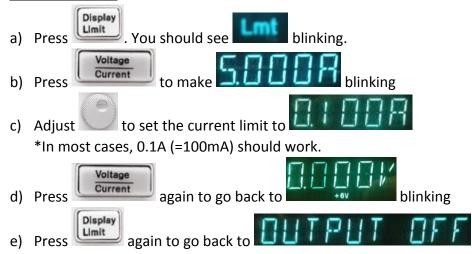
### Oscilloscope: measure dynamic voltage signals



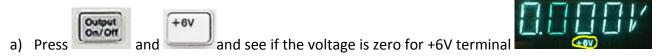
- 7. Zoom in the waveform if necessary by adjusting knobs in 5-6.
- 8. For measuring dynamic signals, you should set the horizontal & trigger settings correctly. Pushing [Auto Scale] button does the job automatically with proper scaling settings. The autoscaling function works in many cases but you can also set the horizontal & trigger settings manually.

# Power supply: almost ideal voltage (or current) source

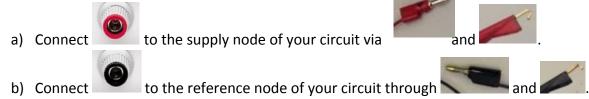
## 1. Set current limit



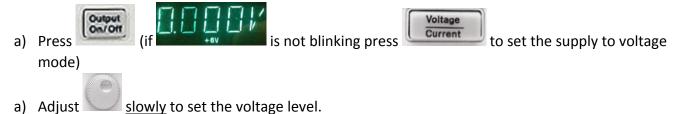
#### 2. Check if the voltage level is set to zero





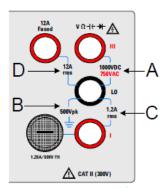


# 4. Turn on the supply set the voltage level



## Multimeter: reads 'DC' voltage, current, resistance

- 1. Disconnect all connections from multimeter
- 2. **Press** or or or depending on the parameter to be measured
- 3. Make connections between meter and the circuit (be careful choosing right ports)



A: Voltage & resistance, C & D: Current

- 4. Read the value on screen and disconnect connections
- 5. Most trouble happens when measuring current. Avoid current measurement unless necessary

### Breadboard: connects components to make a prototype circuit

Below figure shows internal connections & one example of making a circuit on breadboard.

