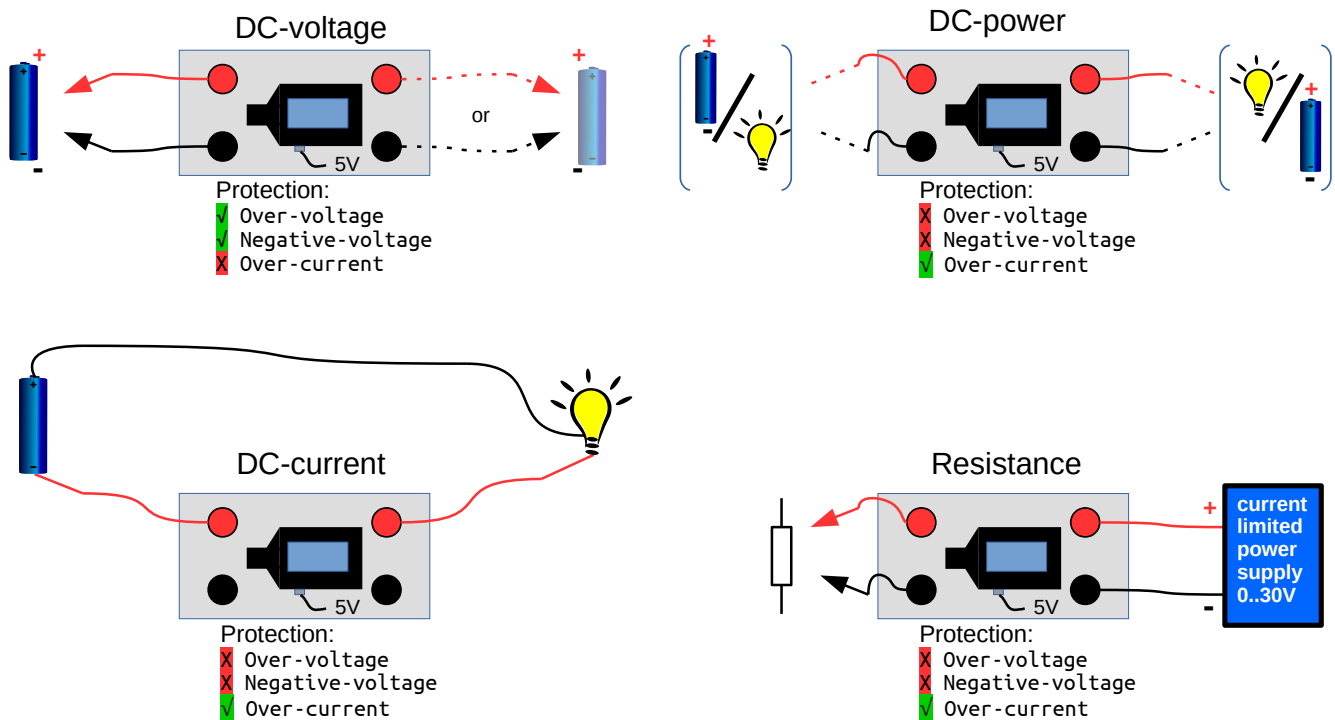
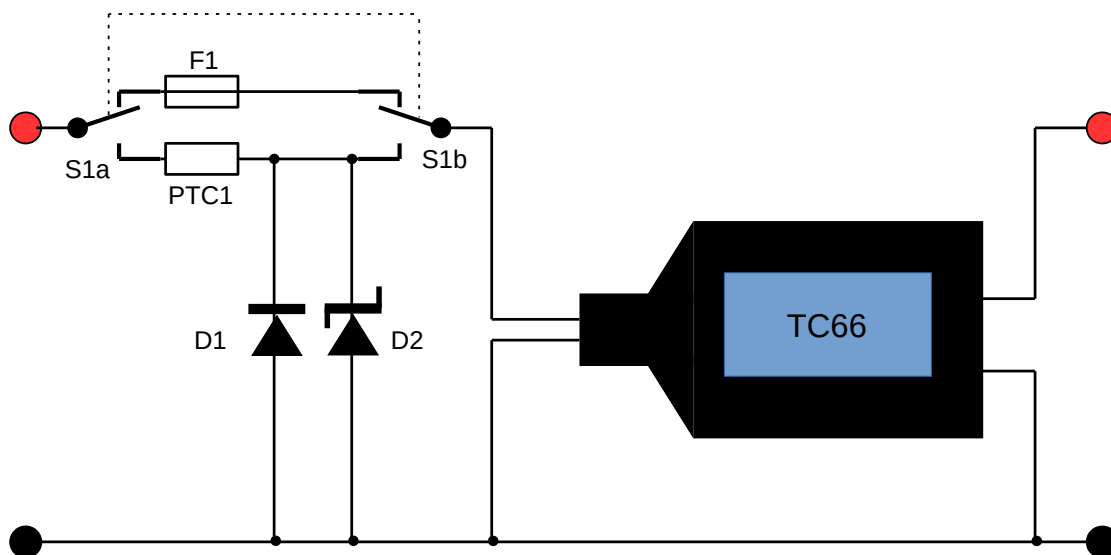


TheHWcave: Using the TC66 USB tester as a 5 ½ digit precision multi-meter

The TC66 USB tester is way too good to be used only for USB testing. With this adapter you can use it for:



Please check my YouTube video with the same name for a complete description on how to use it and any caveats. The complete schematic is below:



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Part	Type	Notes
D1	1N4006	any of the 1N4002.. to 1N4007 will work
D2	1N5363B	(On Semiconductor) RS part number 1869256
PCT1	PTCCL05H390HBE	(Vishay) RS part number 252-715
S1	DPDT	
Fuse holder	Panel mount for 5x20 fuses	(Schurter) RS part number 384-061
F1	Fast 5A	Rapid Electronics part number 26-1102

The resistance lookup table on the next page is calculated to show safe test currents for resistors between 0.1Ohm and 10KOhm.

To use it, find the suspected resistance value on the bottom, then go up until you hit the last of the diagonal lines. That line represents the highest current you should use. Then go left and you see the expected voltage drop over the resistor.

