## **LED BATTERY METER - Designed by Phil Townshend**

This is a useful little tester circuit that will measure almost any low voltage into a dot bar display. It was intended to test 1.5v batteries but will measure between 0.5v up to 5v.

The R3 resistor is intended to load the battery a little. At 1.5v the current will be about 50mA. Take care with prolonged use especially if testing higher votage batteries as the current in R3 will generate some heat from the resistor.

Use a 1 watt resistor if possible for R3.

SW1 Adjust PR1 to alter full scale deflection. Test R1 1N4001 1K 10 9 DIVH 8 Vin **Battery** R3 VR1 6 33 under test IC2 10K 5 16 4 17 DIVL 3 C1 2 220n ROUT D2 0V RADJ 1N . 2 8 R2 C2 4148 680 10uF 0ν

Board size: 69mm x 34mm UNDERSIDE VIEW



