



Notes:

Schematic is shown with optional battery backup feature. If this feature is not needed replace D2 and D3 with a short. D4, D5 and R5 can be removed. Finally connect the Main Power Monitor to 5v

S1 is hour increment (or meter select)
 S2 is minute increment (or scale decrease)
 S3 is second reset (or scale increase)
 S4 turns on meter scale adjust mode when active S1, S2 and S3 are used to adjust
 S5 turns on smooth second hand mode

Meters should be in current mode and the 0.5mA scale.

Resistors are all 1/4 Watt
 Diodes are 1N4001