

## Dual Digital Display DC Voltmeter & Ammeter 0-100V 0-10A



An all in one solution for monitoring voltage and current. External shunt included for the 100A model.

### Features:

- Operating voltage: DC 4.5 ~ 30V
- Measure voltage: DC 0 ~ 10V
- Minimum resolution(V): 0.1V
- Measure current : 100A (external shunt included)
- Minimum resolution(A): 0.01A
- Operating current: <20mA
- Display: three 0.28" LED digital tube
- Display color: Red and Blue (two-color display)
- Dimensions: 48 x 29 x 21mm
- Mounting cutout: 45.5 x 26.5mm
- Refresh rate: about 500mS / times
- Measure accuracy: 1% ( $\pm 1$  digit)
- Operating temperature: -10 to 65° c
- Operating Humidity: 10 to 80% (non-condensing)
- Working pressure: 80 to 106 kPa

### Wiring:

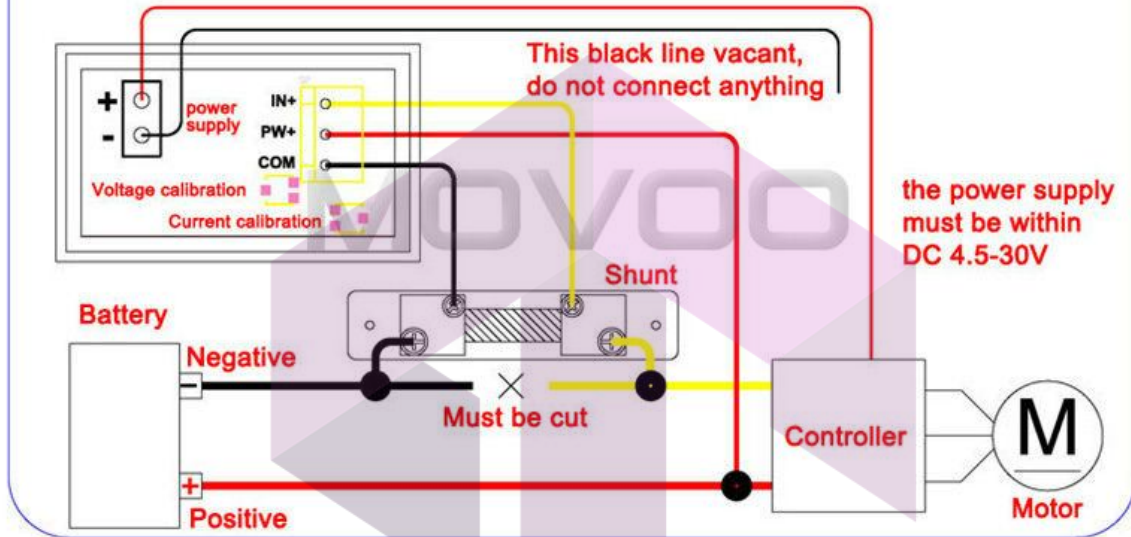
- Black line (thin): vacant or buck circuit (module) negative
- Red line (thin): power supply+
- Black line (thick): COM, common measuring
- Red line (thick): PW+, measuring terminal voltage input positive
- Yellow line (thick): IN+, current input+
- (Please refer to the wiring diagrams for more details)

### Notice:

- The voltage between the thin red and thin black lines must be within DC 4.5-30V
- The ammeter can only be connected to the negative of the device under test
- Exceeds 5A, long-term full load working continuously, it is recommended that the measurement side of the leads are directly soldered to the socket

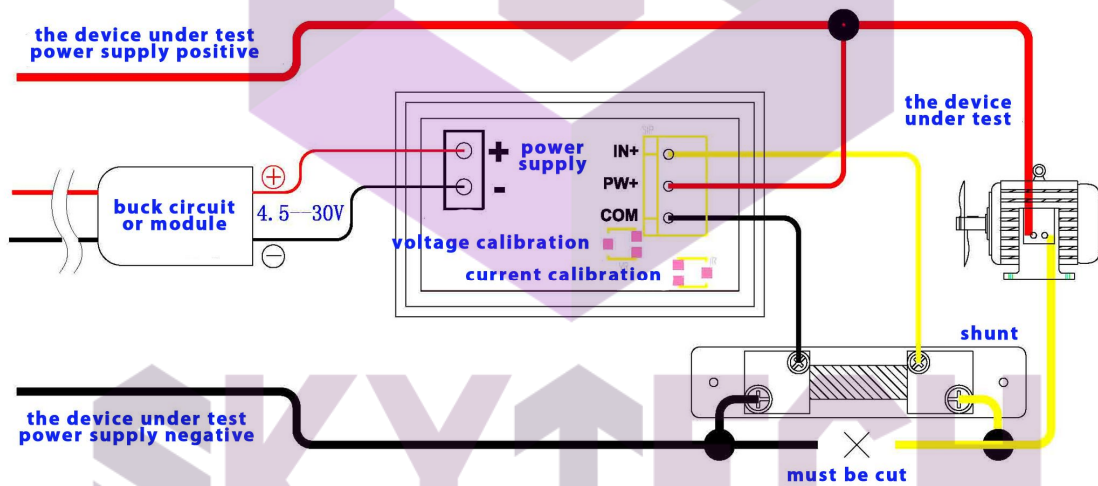
## Electric cars wiring diagram

the ammeter connect to the negative of the device under test  
10A below ammeter (include 10A ) does not require external shunt



### Wiring Option 3

The ammeter connects to the negative of the device under test  
10A meter does not need external shunt while the 100A type DOES need external shunt



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### Wiring Diagram 3

the ammeter connect to the negative of the device under test  
10A below ammeter (include 10A ) does not require external shunt

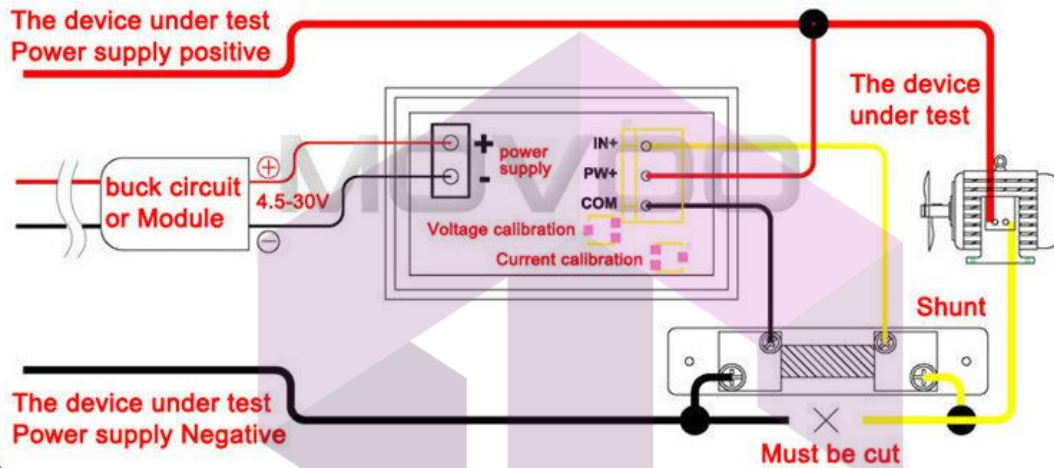
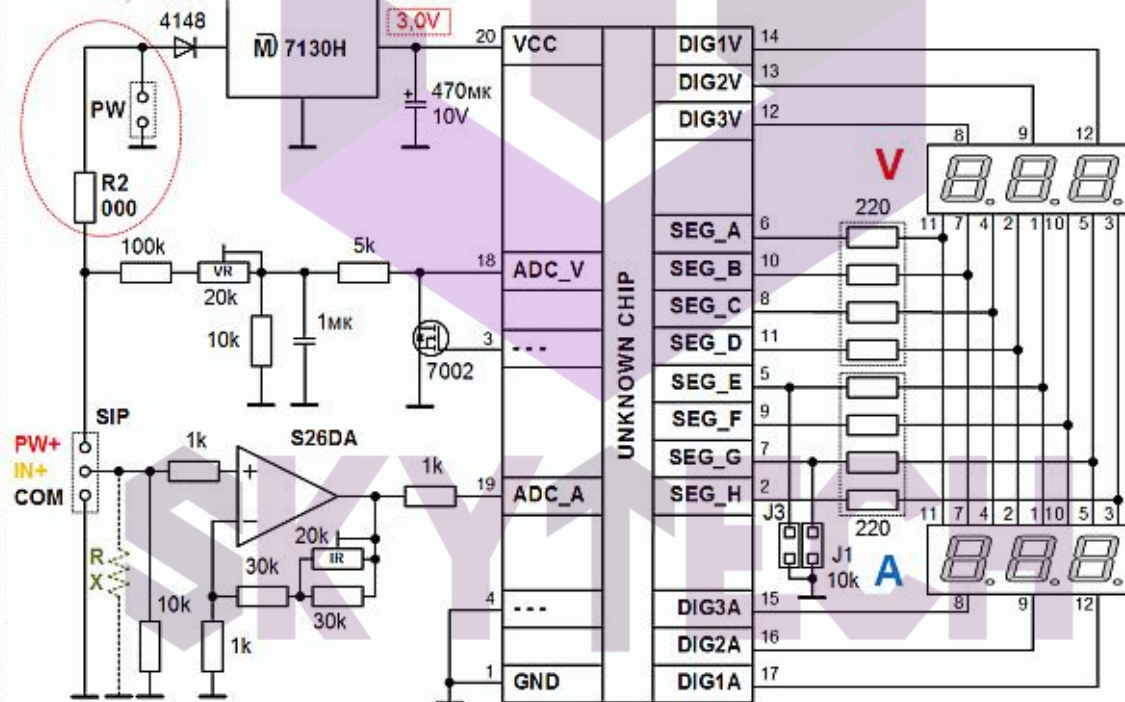


Схема электрическая принципиальная вольтметра/амперметра YB27VA-V1.3  
for we.easyelectronics.ru



Внешний шунт включается в минусовой провод, внутренний RX не установлен.  
SIP - входной разъем, PW - разъем питания не установлен, R2 - перемычка.  
Индикаторы типа SM320281D3(R) - красный, (B) - синий, pin 6 отсутствует.