

D85-3050 Digital DC Ammeter Voltmeter LCD Volt Amp Panel Meter



D85-3050 Digital DC Voltage Ammeter is to show the measured DC voltage and DC current separately on the same meter screen. The measured DC voltage and DC current two-way measurement are completely isolated in the instrument. Users can use common ground or other forms for measurement in external circuits according to their needs. It can be used in chargers, inverters, solar wind generators, electric vehicle chargers, LED light measurement and other occasions.

This one has 0-19.99V 1.999A/0-199.9V 1.999A/0-19.99V 10.00A/0-199.99V 10.00A/0-19.99V 50.0A/0-199.9V 50.0A/0-19.99V 100A/0-199.9V 100A/0-199.9V 200A/0-600V 10.00A/0-600V 50.0A/0-600V 100A/0-600V 200A

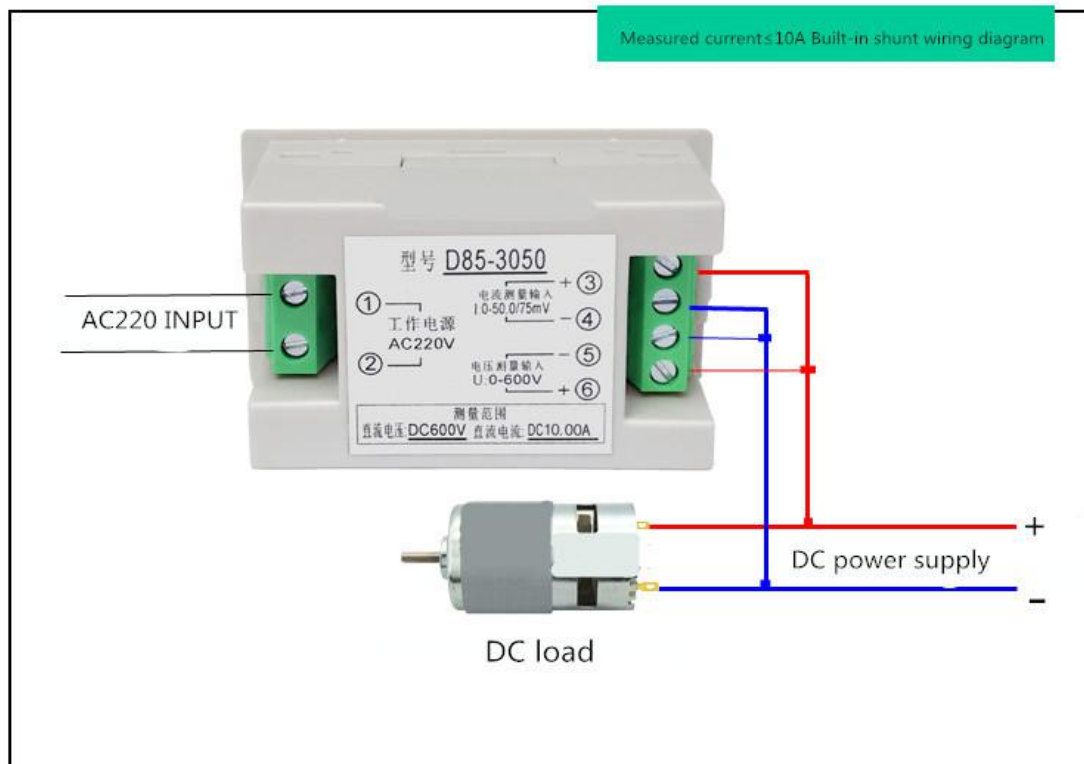
Main Specifications

1. Measurement accuracy: $1\% \pm 2$ words
2. Display: LCD liquid crystal display
3. Viewable screen size: 43*25mm
4. Measuring range: DC voltage: DC0-19.99V, 0-199.9V, 0-600V. Direct current: DC0-1.999A, 0-5.00A, 0-10.00A, 20A/75mV, 50A/75MV 100A/75MV 200A/75MV.....
5. Power consumption: $< 0.5VA$
6. Measuring speed: about 2 times per second
7. Power supply: AC220V
8. Dimensions: 70 (length) * 40 (width) * 39mm (depth/thickness)
9. Installation size: 68 (length) * 38 (width) mm (embedded)

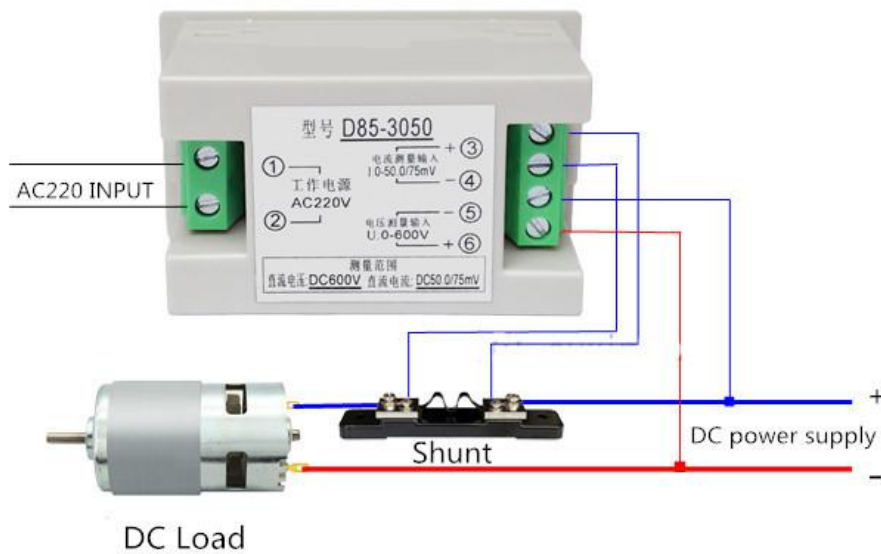
10. This meter can measure negative voltage and negative current. For example, the meter has a sign when discharging

The wiring method is as follows

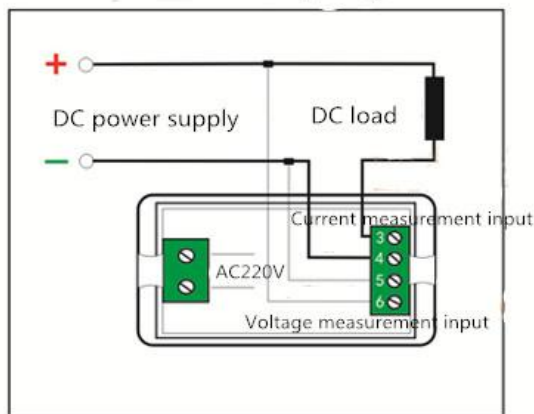
1. Connect the AC220V working voltage to the 1-2 terminals of the meter
2. Connect the measured DC voltage to the 5-6 terminal of the meter
3. The measuring current of the meter ordered is less than 10A (including 10A). The meter is equipped with a shunt, connect according to the following wiring diagram (Figure 1), and connect the 3-4 terminal in series to the measurement circuit
4. For the meter ordered to measure current greater than 10A, an external shunt should be attached. The wiring should be connected according to the following wiring diagram (Figure 2), and the 3-4 terminal should be connected to the voltage end of the shunt.



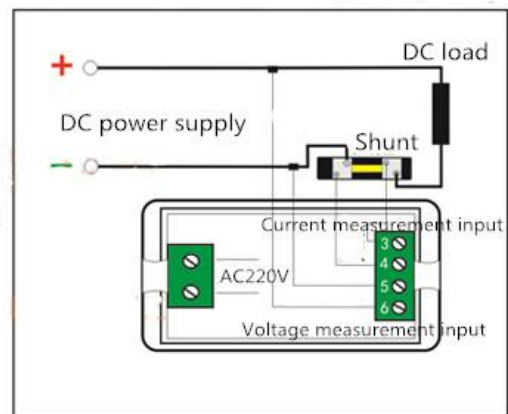
Measuring current >10A external shunt wiring diagram



Built-in shunt wiring diagram



External shunt wiring diagram



1. Wiring diagram for measuring $\leq 10A$ 2. Measurement >10A wiring diagram

Precautions

Customers order instruments within the current measurement range of 10A (including 10A). The instrument has a built-in shunt. The customer does not need an external shunt when using it. If the meter purchased by the customer has a measuring range above 10A, there is no shunt inside the meter, and the customer needs to purchase a shunt with the same specifications as the

measuring range of the meter. For example: if the current measurement range of the purchased meter is 0-50A, then another shunt with a specification of 50/75mV must be purchased, and regardless of the measured current is greater than or less than 10A, it must be connected to the shunt for use!