

# SPM003 Multi-Function Digital Meter

SPM003 multi-function Digital meter can measure AC voltage, AC current, active power, power factor, power frequency and electric energy. HDLCD has adopt for display module

## Technical Indicators

1. Accuracy:  $1\% \pm 2$  words

2. Range:

- AC voltage: AC 80.0-300.0V/200.0-450.0V ( You should select the suitable type of meter when your making order )
- AC current: AC 0-99.99A, minimum resolution is 0.01A
- power frequency: 45.0Hz-65.0Hz
- power factor: 0.00-1.00PF
- active power: 0-45000W when the active power between 0 and 9999.9W, the display accuracy is 0.1W
- Electric energy: 0-99999kwh, when the electric power between 0 and 999.99kwh, the display accuracy is 0.01kwh, when between 10000.0-9999.9kwh, the display accuracy is 0.1kwh, when between 10000.0 and 999999kwh, the display accuracy is 1kwh.

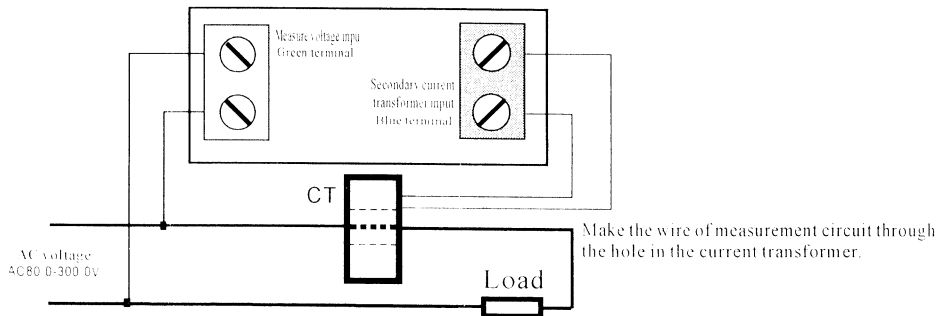
3. Speed: 2 times per second

4. Size: 79\*43\*48

5. Installation Size: 76\*39

6. Auto-saving: when power off, the electric energy will be saved. The saved electric energy will Be accumulated continue when the meter power-on next time.

## Connection graph



## Application Method

1. According to connection graph, connect the green wire of secondary current transformer to the blue terminal of meter and make the wire of measurement circuit through the hole in the current transformer.
2. Supply power and start to measure and display the result.
3. Press down the button last for 5 second, the electric energy will to be zero.

## ⚠ Attention

1. The meter will be destroyed when you make wrong connection method with voltage
2. The meter can only use to measure 50Hz AC city electricity, it will be destroyed when use to input (green terminal) and secondary current transformer (blue terminal), measure square wave, output of inverter and correction sine wave.