

Function	Test Range	Display Format	Starting measurement	Accuracy
<b>Current</b>	±0-300A( has 50A、 100A、 200A、 300A four type can be choosed)	< ±10A display such as : ±1.00A < ±100A display such as : ±10.0A ≥ ±100A display such as : ±100A	±0.02A	±1%
<b>Voltage</b>	0~300V(Independent power supply: DC 5-12V)/8-300V(Direct power supply)	< 10V display such as : 1.00V < 100V display such as : 10.0V ≥ 100V display such as : 100V		±1%
<b>Power</b>	0~90kW	< 10W display such as : 1.00W < 100W display such as : 10.0W < 1000W display such as : 100W < 10000W display such as : 1.00kW ≥ 10000W display such as : 10.0kW	0.1W	±1%
<b>Energy</b>	±0-999kWh	< ±1kWh display such as : ±100Wh < ±10kWh display such as : ±1.00kWh < ±100kWh display such as : ±10.0kWh < ±1000kWh display such as : ±100kWh Overflow will maintain data, unless reset by yourself		±1%

# DC DIGITAL MULTI-FUNCTION METER

## PZEM-025 Function introduction

### A.Function

Measure DC voltage, current, power, energy and display with LCD.

### B.Display

HTN wide view LCD: voltage + current + power + energy + green backlight(See Figure 1)



Figure 1 display diagram

## Voltage

Measurement range:

0~300V(Independent power supply: DC 5-12V)

8-300V(Direct power supply)

Display format:	Starting measurement:	Accuracy
<10V display such as : 1.00V <100V display such as : 10.0V ≥100V display such as : 100V	0.05V	±1%

## Current

Measurement range:

±0-300A( has 50A 、 100A 、 200A 、 300A four type can be choosed)

Display format:	Starting measurement:	Accuracy
<10A display such as : 1.00A <100A display such as : 10.0A ≥100A display such as : 100A	±0.02A	±1%

Current has direction indication, if there is “-” , it means the current is reverse direction, otherwise it is forward direction.

## C.Other Function

### 1.Backlight control

Short press the key to turn on or turn off the backlight.

### 2.Reset Energy

Long press the key over than 3 seconds can reset the energy.

### 3.Current Indication

Current has direction indication, if there is “-” , it means the current is reverse direction, otherwise it is forward direction. (See Figure 2)



Figure 2 Direction Indication

### 4.Energy Indication

Energy has direction indication, if there is “-” , it means the energy is reverse direction, otherwise it is forward direction.

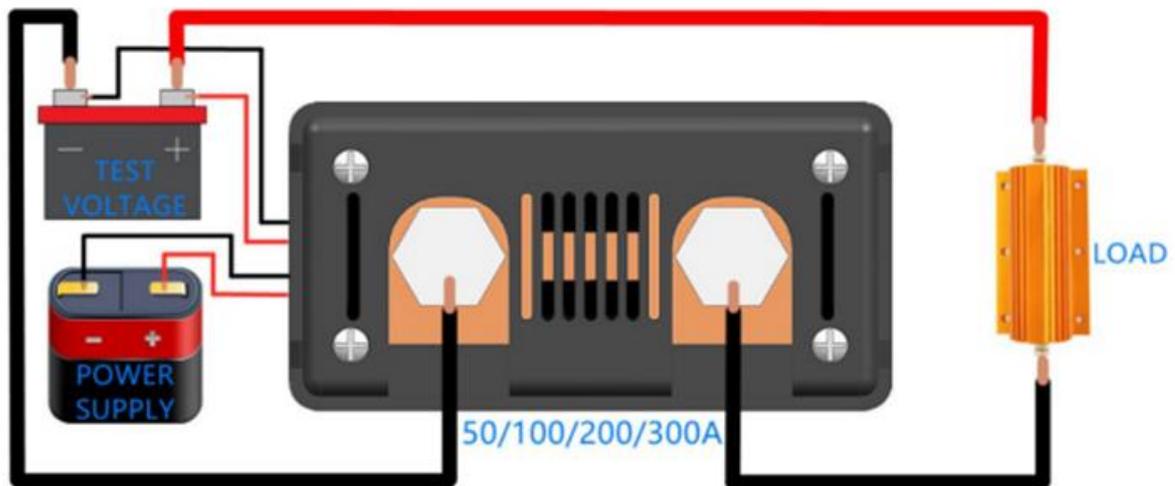
The energy direction is judged according to the current direction, If the current is positive, the energy will increase, maximum is 999kwh, overflow will be maintained, unless you reset it; if the current is reverse, the energy will decrease, maximum is -999kwh, overflow will be maintained, unless you reset it (See Figure 2)

### 5.Working Mode

Direct power supply: Direct supply by test voltage, test range is: 8-300V

Independent power supply: Working voltage range is: DC5-12V, test range is:0-300V(See Figure 3)

## D.Wiring Diagram



### 1. Backlight control

Short press the key to turn on or turn off the backlight.

### 2. Reset Energy

Long press the key over than 3 seconds can reset the energy.

### 3. Current Indication

Current has direction indication, if there is "-", it means the current is reverse direction, otherwise it is forward direction.

### 4. Energy Indication

Energy has direction indication, if there is "-", it means the energy is reverse direction, otherwise it is forward direction.

The energy direction is judged according to the current direction, If the current is positive, the energy will increase, maximum

is 999kwh, overflow will be maintained, unless you reset it; if the current is reverse, the energy will decrease, maximum is

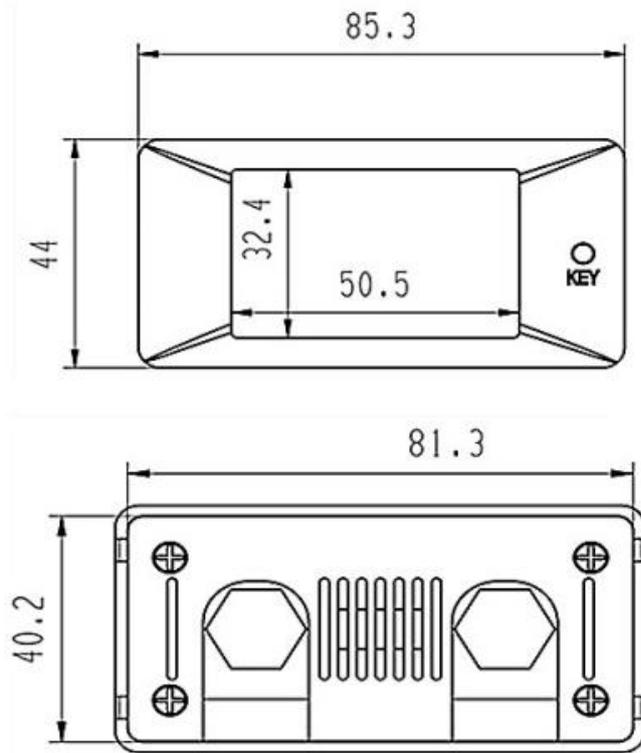
-999kwh, overflow will be maintained, unless you reset it (See Figure 2)

### 5. Working Mode

Direct power supply: Direct supply by test voltage, test range is: 8-300V

Independent power supply: Working voltage range is: DC5-12V, test range is:0-300V

## E. Dimension Diagram (mm)



2.