

## Electric optical parameter tester

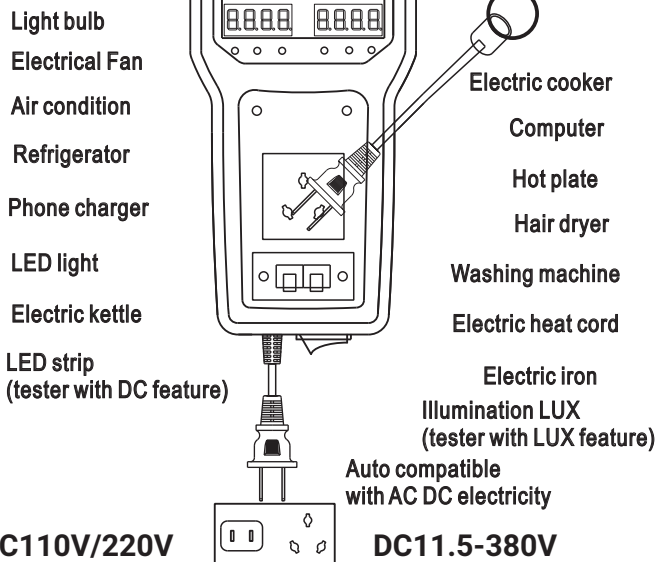
# FLYTREE®



Read manual carefully before using tester

Minh Danh Technology Company Limited

## I. Application area



AC110V/220V

DC11.5-380V

## II. Technical parameters

6 screens	Voltage, Current, Watt, PF, Electricity, Illumination
Input voltage	AC78-265V / DC11.5-380V (Universal)
Input current	10A/20A
Frequency	45-65HZ
Power factor	0.000-1.000
Electricity	00.00-9999
Illumination	50000LUX
Accuracy	+/-0.3%reading +/-0.2%range +/- 2bits
Maximum	2500W/4400W
Minimum	0.20W
Type option	FSH6-10SC( C-Chinese, E-English, Z-Lux, T-color temperature)
Weight	about 380g
Volume	20cmx10cmx3.5cm (power cable length is 0.8meter)

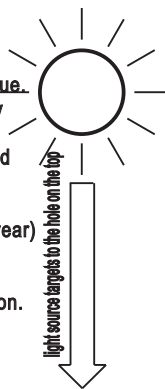
Type description: S- with switch, P- with electric socket and fuse

## III. Operating environment

Operating temperature : -40°C to +80°C  
 Store temperature : -50°C to +90°C  
 Humidity : 95%RH at 25°C (noncondensing)

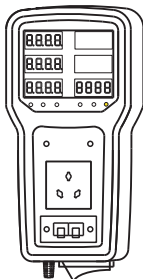
## IV. User Interface description

Left 3 screens display: Voltage, Current, effective power value.  
 Right 3 screens display basing on indicator light switched by short pressing yellow button on the left.  
 "PRM" light on: display frequency, power factor, accumulated electricity  
 "Year" light on: display current power.  
 CO2 volume in one year (8hour/day and 365days/year)  
 Electricity cost in one year by 0.65Yuan per KWH  
 Electricity KWH in one year  
 "LUM" light on: display lumination value in the current position.



## V. Lumination function

For the tester with lumination function, press yellow button to switch to "LUM" light on, it's required to have the light source target to the hole on the top of tester. the number shown on the right corner is Lux.



## VI. Electricity cost setting

Long press yellow button on the right  
 long press button to enter menu  
 short press button to switch options

Slow flash to choose option  
 Fast flash to set up value

Set-  
 08.0 working hour count in one day  
 00.65 price per KWH

## VII. Alert setting

Long press red button on the left  
 long press button to enter menu  
 short press button to switch

Slow flash to choose option  
 Fast flash to set up value

Up limit on the left    Low limit on the right

0.0 Voltage	0.0 Voltage
0.000 Current	0.000 Current
0.00 Power	0.00 Power

## VIII. Reset function

Long press both red and yellow buttons till the 6 screens show "-  
 ---", wait to see value display, then the alert setting and accumulated electricity are reset to 0, and working hour reset to default 8.0, electricity price rest to default 0.65.

## IX. Important safety guide

- 1 Please connect power supply to the right socket as the lable indication, avoid being short and testing over measuring range;
2. Don't make power wire or power head wet to avoid leakage, take it from power socket after test complete;
3. Please hold plug contact head instead of power cable when pull off to protect the wires in the power cable.

## X. Questions

1. Annual electricity value keep changing  
 Annual electricity calculated from watt value, electric power supply's voltage is not stable and cause watt value change then Annual electricity value change.
2. LUX value vary much  
 LUX value is not the luminous flux but the light brightness of current position. It is proportional to the brightness of light source and in reverse proportion to the square of distance of light source so distance varies a little, lux value may vary much.
3. Tester doesn't adjust voltage, the input voltage equals to output voltage.