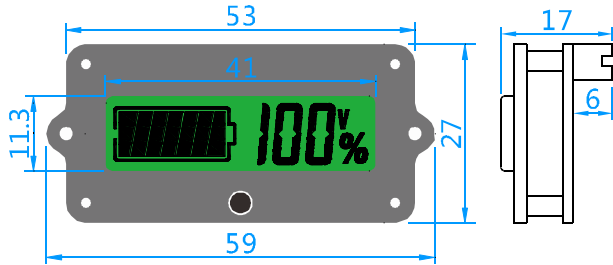


# LY4 Battery Capacity Tester

## —Instruction—

### • Sketch :



### • Product overviews :

★ LY4 is a kind of voltage-type battery capacity tester , LY4 can test the voltage and capacity of battery , and display them with intuitive battery symbol and percentage. Users can know the state of battery in time. It is suitable for mobile and portable equipments, electromobile, balance cars, cleaning machines, instruments, measuring equipments and so on.

### • Application :

**Lead-acid battery :** 12V , 24V , 36V , 48V;

**Lithium-ion battery :** 3cells(8V) ~ 15cells(63V) (Except Lithium iron phosphate battery);

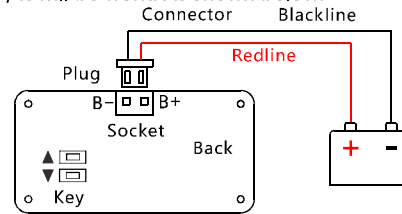
**Note :** Other specifications (1cell ,2cells and more than 15 cells) should be customized , and the specifications can't be adjusted.

### • Basic parameters :

Parameter	Min	Type	Max	Unit
Working voltage	8.0		63.0	V
Working dissipation		8.0	10.0	mA
Standby dissipation			0.15	mA
Sleep dissipation			15	uA
Voltage accuracy		±3.0		%
Capacity accuracy		±3.0		%
Backlight on current		5.0		mA
Temperature range	0	20	40	°C
Weight	18			g
Size	59×27×17			mm

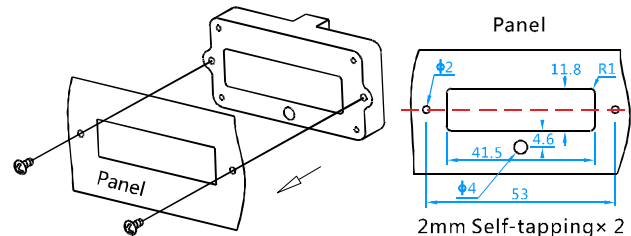
### • Connect :

★ LY4 provides a connector consists of plug , black line and red line. Connect the black line to the negative , the red line to the positive , the plug to the socket of LY4. Then , power on or turn on the switch , it will be work. As shown below:



### • Install :

★ Open holes on the panel of equipment as shown. Then install LY4 from the back of the panel. Finally ,fix LY4 with tapping screws from the front of the panel. As shown below:



### • Specification adjustment :

★ When turn off , hold down the "K-" key on the back and power on. LCD displays the present specification. Use the "K+" key and "K-" key to adjust specifications , select suitable specification you need , then turn off and power on again. LY4 will be work normally (correspond code as below form).

Lithium-ion	Code	Lead-acid	Code
3 cells	Li3	12V	Pb1
4 cells	Li 4	24V	Pb2
5 cells	Li 5	36V	Pb3
6 cells	Li 6	48V	Pb4
7 cells	Li7		
8 cells	Li 8		
9 cells	Li 9		
10 cells	LiA		
11 cells	Lib		
12 cells	LiC		
13 cells	Lid		
14 cells	LiE		
15 cells	LiF		

### • Function setting and instruction :

★ Press the "K+" key to enter the function setting 1. The battery symbol on the left display the present capacity , the right display the currently selected function F0~F3. Use the "K+" key on the back , users can select different function from F0 to F3 , then press the "OK" key , the selected function will run(as shown below).



**F0 : Backlight on :** LY4 always open.

**F1 : Standby :** LY4 enter a standby state (<120uA) after display 10s , LCD display but backlight turns off. Press the "OK" key , backlight turns on 10s.

**F2 : Dormancy :** LY4 enter a dormancy state (<15uA) after display 10s , LCD and backlight turn off. Press the "OK" key , LCD and backlight turn on 10s.

**F3 : Standby + Voltage wake up :** LY4 enter a standby state (<120uA) after display 10s ,LCD display but backlight turns off. Backlight turns on 10s when voltage change or "OK" key is pressed.

★ Press the "K-" key to enter the function setting 2. The battery symbol on the left display the present capacity , the right end display V , % , V&% , use the "K-" key to select.



**V :** LY4 only display voltage of battery.

**% :** LY4 only display percentage of capacity.

**V&% :** LY4 can display voltage and percentage on the working interface , use the "OK" key to switch.

### • Accessory :

★ One connector with two lines , 20mm in length. Please lengthen it by yourself if necessary.

### • Attention and warranty :

★ LY4 cannot be exposed in the sun for a long time. When using or storing , please keep the temperature higher than -20°C and lower than 60°C , otherwise it will shorten the life of LCD.

★ Within one year , any fault caused by non-artificial reason we should maintain it freely.

Our products will keep upgrading , if the product you bought is different with this instruction , please take the material object or website as the standard.

