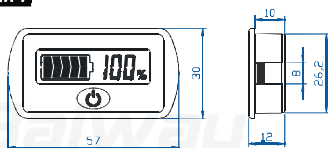


LY7 Battery Capacity Tester

—Instruction—

• Sketch :



• Product overviews :

★ LY7 is a kind of universal voltage-type battery capacity tester, it 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. LY7 has function of memory. It is suitable for mobile and portable equipments, electromobile, balance cars, cleaning machines, instruments, measuring equipments and so on.

• Applicable specification :

★ This product is suitable for lithium batteries, lithium iron phosphate batteries, lead-acid batteries and nickel-metal hydride batteries which working voltage is from 8V to 80V.

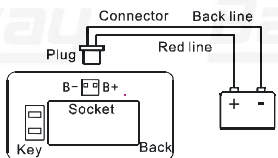
• Basic parameters :

Parameter	Min	Type	Max	Unit
Working voltage	8.0		80.0	V
Working power consumption		8.0	10.0	mA
Standby power consumption		0.5	0.6	mA
Sleep power consumption		50		uA
Voltage acquisition accuracy		±3.0		%
Capacity acquisition accuracy		±3.0		%
Backlight on current		40.0	50.0	mA
Backlight off current		30.0	40.0	mA
Using temperature range	0	20	35	°C
Weight		23		g
Size		57×30×12		mm

• Connection :

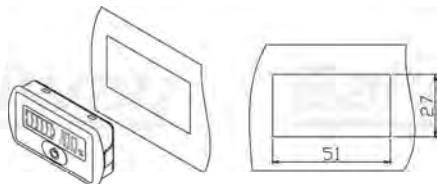
★ The tester provides a connector consists of plug, black line and red line. Connect the black line to the negative, the red line to the positive, the plug to the socket of tester. Then, power

on or turn on the switch, it will be work. As shown below:



• Install :

★ This product is fixed by buckles, it is easy installation. First, open one rectangular orifice on the panel according to the size. Then put the coulometer into the rectangular orifice, and make sure the buckles are locked.



• Usage setting :

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

Lithium-ion	Code	Lead-acid	Code
3 cells	Li3	12V 铅酸	Pb1
4 cells	Li4	24V 铅酸	Pb2
5 cells	Li5	36V 铅酸	Pb3
6 cells	Li6	48V 铅酸	Pb4
7 cells	Li7		
8 cells	Li8		
9 cells	Li9		
10 cells	LiA		
11 cells	LiB		
12 cells	LiC		
13 cells	LiD		
14 cells	LiE		
15 cells	LiF		

★ Press the “OK” key on the front to enter the function setting under the specification interface. The segment code of battery symbol on the left display the present function, the right display F1~F5. Use the “K+” and “K-” key on the back to select different function from F1 to F5, then press the “OK” key, turn off and power on again. The selected function will run(as shown below). The default function is F2.



F1 : Backlight on : LY7 always open.

F2 : Standby : LY7 enter a standby state (< 120uA) after display 10s, LCD display but backlight turns off. Press the “OK” key, backlight turns on 10s.

F3 : Dormancy : LY7 enter a dormancy state (<15uA) after display 10s, LCD and backlight turn off. Press the “OK” key, LCD and backlight turn on 10s.

F4 : Standby + Voltage wake up : LY7 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.

F5 : Dormancy + Voltage wake up : LY7 enter a dormancy state (<15uA) after display 10s, LCD and backlight turn off. LCD and backlight turn on 10s when voltage change or “OK” key is pressed.

• Accessory :

★ One connector with two lines, 20mm in length. If it is short, please lengthen it by yourself.

• Attention and warranty :

★ The tester cannot be exposed in the sun for a long time or in the environment with large amounts of ultraviolet radiation when using or storing, particular in winter (< -20°C) and summer (> 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.