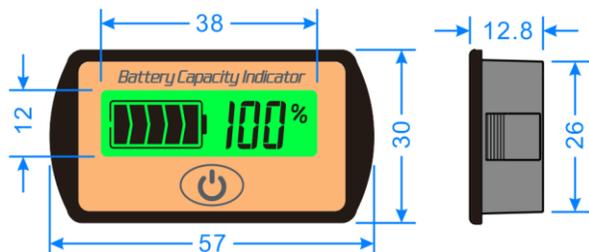


LY7S Battery Capacity Tester

—Instruction—

• Sketch :



• Overviews :

★ LY7S is a kind of 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. LY7S has function of memory. It is suitable for mobile and portable equipments, e-bike, balance cars, cleaning machines, instruments, ups and so on.

• Application :

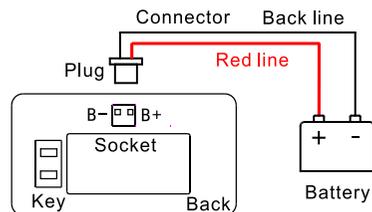
★ LY7S is suitable for lithium batteries, lead-acid batteries which working voltage is from 5V to 70V.

• Basic parameters :

Parameter	Min	Type	Max	Unit
Working voltage	5.0		70.0	V
Working dissipation		8.0	10.0	mA
Sleep dissipation			15	uA
Voltage accuracy		±3.0		%
Capacity accuracy		±3.0		%
Backlight on current		40.0	50.0	mA
Backlight off current		30.0	40.0	mA
Temperature range	0	20	35	°C
Weight	23			g
Size	57×30×12			mm

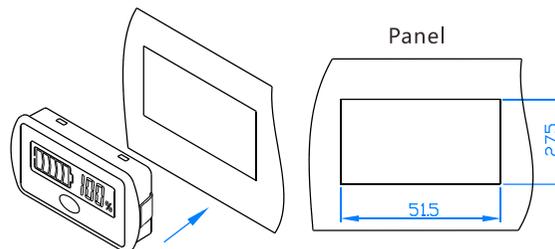
• Connect :

★ LY7S 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 LY7S. Then, power on or turn on the switch, it will be work. As shown below:



• Install :

★ LY7S is fixed by buckles, so it is easy to install. First, open one rectangular orifice on the panel according to the size. Then put LY7S into the rectangular orifice, and make sure the buckles are locked.



• Use setting :

★ When turn off, hold on the "K-" key on the back and power on. LY7S displays the present specification. Use "K+" and "K-" keys to adjust specifications, select suitable specification you need, then press the "OK" key on the front. LY7S will be work normally (correspond code as below form).

Lithium-ion	Code	Lead-acid	Code
2 cells	Li2	12VPb	Pb1
3 cells	Li3	24VPb	Pb2
4 cells	Li4	36VPb	Pb3
5 cells	Li5	48VPb	Pb4
6 cells	Li6		
7 cells	Li7		
8 cells	Li8		
9 cells	Li9		
10 cells	Li10		
11 cells	Li11		
12 cells	Li12		
13 cells	Li13		
14 cells	Li14		
15 cells	Li15		



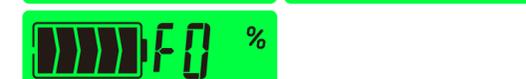
★ Press the "K+" key on the back to enter function setting mode. LY7S has two functions : F0 and F2. Use the "K+" key on the back to select F0 and F2. Then press the "OK" key on the front, the selected function will run. The default function is F2.



F0 : Backlight on : LY7S run all the time, LCD and backlight always on.

F2 : Dormancy : LY7S enter a dormancy state (<15uA) after display 10s, LCD and backlight turn off. Press the "OK" key, LCD and backlight turn on 10s.

★ Press the "K-" key on the back to enter display setting. LY7S has three kinds of display mode. Use the "K-" key on the back to change the display mode. Then press the "OK" key on the front, the selected mode will run.



V&% : Voltage and percentage display : LY7S can display the current voltage or the current percentage of capacity. Press the "OK" key on the front can change the display content.

V : Voltage display : LY7S only display the current voltage.

% : Percentage display : LY7S only display the current percentage of capacity.

• Accessory :

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

• Attention and warranty :

★ LY7S 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.

