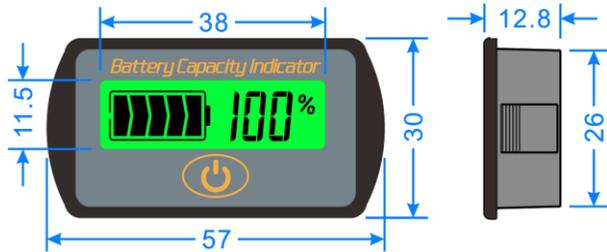


Battery Capacity Tester

—Instruction—

• Sketch:



• Overviews:

★ 7S 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. 7S has function of memory. It is suitable for mobile and portable equipments, e-bike, balance cars, cleaning machines, instruments, ups and so on.

• Application:

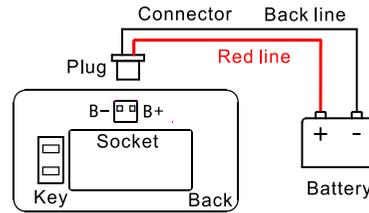
★ 7S is suitable for lithium batteries, lead-acid batteries which working voltage is from 5V to 70V.

• 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

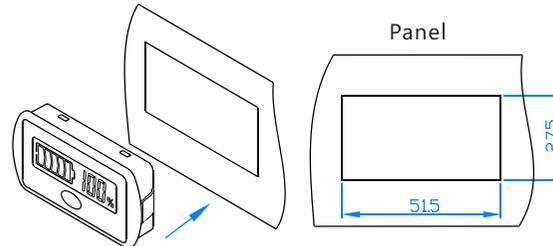
• Connect:

★ 7S 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 7S. Then, power on or turn on the switch, it will be work. As shown below:



• Install:

★ 7S is fixed by buckles, so it is easy to install. First, open one rectangular orifice on the panel according to the size. Then put 7S 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. 7S 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. 7S will be work normally (correspond code as below form).

Lithium-ion	Code	Lead-acid	Code
2 cells	2C	12VPb	Pb1
3 cells	3C	24VPb	Pb2
4 cells	4C	36VPb	Pb3
5 cells	5C	48VPb	Pb4
6 cells	6C		
7 cells	7C		
8 cells	8C		
9 cells	9C		
10 cells	10C		
11 cells	11C		
12 cells	12C		
13 cells	13C		
14 cells	14C		
15 cells	15C		



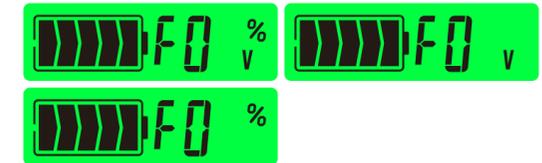
★ Press the "K+" key on the back to enter function setting mode. 7S has two functions : F0 and F2. Use the "K+" key on the back to select F0 and F2. Then press the "OK" key on the front, the selected function will run. The default function is F2.



F0: Backlight on: 7S run all the time, LCD and backlight always on.

F2: Dormancy: 7S 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: 7S 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: 7S only display the current voltage.

%: Percentage display: 7S 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:

★ 7S 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.