

Overviews:

LY7 is a kind of universal voltage type battery capacity tester which can be used to test the voltage and capacity of battery and display them with intuitive battery symbol and percentage. Users can monitor the state of battery in time. LY7 has function of memory.

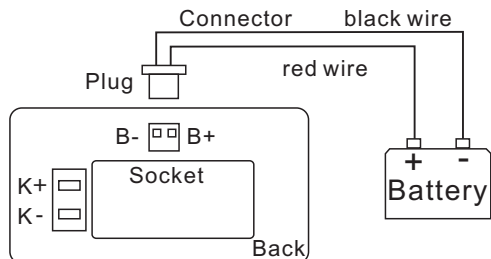
LY7 is suitable for lithium batteries, lead-acid batteries and Li iron phosphate batteries that working voltage range is from 5V to 66V. (Program inputs 3.5v for 1 pack Li iron phosphate battery)

Parameters:

Parameter	Min	Type	Max	Unit
Working voltage	5.0		66.0	V
Working consumption		8.0	10.0	mA
Sleep consumption			15.0	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
Working Temperature range	0	20	35	°C
Dimension	57×30×12			mm

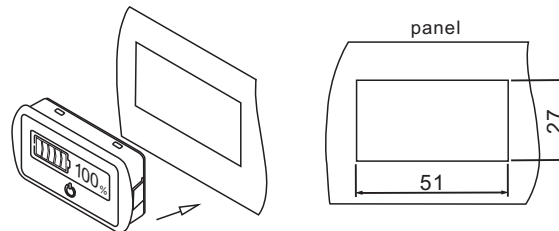
Connection:

LY7 provides a connector which consists of plug, black wire and red wire. Connect the black wire to the negative, the red wire to the positive, the plug to the socket of LY7. Then, power on or turn on the switch, it will start to work. As shown below:



Installation:

LY7 is fixed by buckles, so it is easy to install. First, open a rectangular orifice on the panel according to the size. Then put LY7 into the rectangular orifice and fix it.



Using setting:

When power off, hold press "K-" key on the back to turn on this meter. At this time, this meter is displaying present battery type. Then, you can adjust battery type by clicking "K+" key or "K-" key. Finally, touch "OK" key to choose the type you need. Battery type and corresponding code are as following:

Lithium-ion	Code	Lead-acid	Code	Li iron phosphate	Code
2 cells	2c	12VPb	1P	2 cells	2F
3 cells	3c	24VPb	2P	3 cells	3F
4 cells	4c	36VPb	3P	4 cells	4F
5 cells	5c	48VPb	4P	5 cells	5F
6 cells	6c	60VPb	5P	6 cells	6F
7 cells	7c			7 cells	7F
8 cells	8c			8 cells	8F
9 cells	9c			9 cells	9F
10 cells	10c			10 cells	10F
11 cells	11c			11 cells	11F
12 cells	12c			12 cells	12F
13 cells	13c			13 cells	13F
14 cells	14c			14 cells	14F
15 cells	15c			15 cells	15F
16 cells	16c			16 cells	16F

When power it on, press the "K+" key on the back to enter the function setting mode. LY7 has 4 functions: F0~F3. Use the "K+" key on the back to select F0~F3 function. Then touch the "OK" key on the front, the selected function will run. The

default function is F2.



F0: Backlight on, LY7 runs all the time, LCD and backlight are always on.

F1: Standby function.

The meter will enter to standby status (<15uA), LCD is on, backlight is off. Click "OK" key, backlight will be on for 10s then be off again.

F2: Dormancy function.

LY7 enter a dormancy state (<15uA) after displaying 10s, LCD and backlight are off. Click the "OK" key, LCD and backlight turn on for 10s and then turn off.

F3: Switch control function.

LY7 will enter always on status after powering on, click "OK" key can control ON or OFF of the LCD.

When power it on, press the "K-" key to enter display setting. LY7 has three kinds of display mode. Use the "K-" key on the back to switch the display mode. Then touch the "OK" key, the selected mode will run.

V%: Voltage and capacity percentage display, LY7 can display the present voltage and the percentage of capacity. Touch the "OK" key on the front can change the display content.

V: Voltage display, LY7 only display the present voltage.

%: Percentage display, LY7 only display the present percentage of capacity

Accessories:

One connector with two wires, 20mm in length. If it is short for you, please lengthen it by yourself

Warning:

LY7 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.