

DROK 48V Lead-acid Battery Capacity Monitor

SUMMARY:

This product adopts LCD color screen, it can long-term display the battery capacity, voltage and temperature; sound-light alarm can be used in a variety of lighting conditions. It is simple to be wired, convenient to maintain and disassemble using standard connector. It is applicable for 48v lead-acid battery. (If you want to adjust it to use for other kinds of batteries, please contact us.)

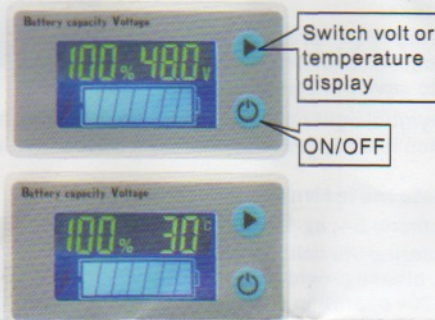
FEATURES:

- Wide input voltage of 0~100V.
- With reverse protection.
- Delay power-off ON/OFF & adjustable delay time.
- Open programming.
- The red indicator flashes as a reminder of low battery.
- Built in temperature sensor.
- Real-time detection of the battery temperature.
- Adopts color LCD display, can display clearly and softly at night.
- Display voltage, temperature and the battery capacity percentage in one interface.
- With a buckle, easy to install without screws.
- Designed with turn on/off switch, is convenient for your daily using.
- Ultra-low power consumption when it is at dormant mode.
- Designed with a protective back cover, hardtop and simple dust-proof and waterproof surface.
- The red indicator flashes as a reminder of low battery.
- Come with a 30cm wire.

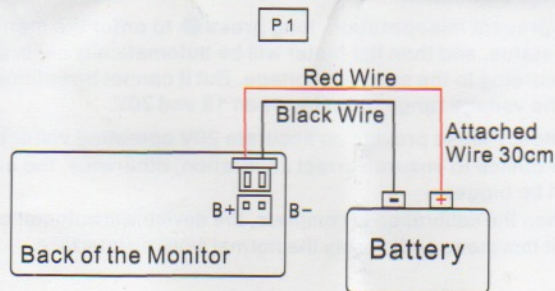


INSTRUCTIONS:


1. PH2.0 terminal conductor, connected to PCB opposite connector.
2. Red wire connect to the positive terminal, black wire connect to the negative terminal.
3. After the battery monitor meter is powered on, it shows the battery power percentage, the voltage and battery icon.
4. Press to turn off the device. At power-off status, you can wake up the device by pressing any button.
5. At power-on status, press to switch the voltage or the temperature to display.
6. The battery icon on the display interface, from right to left, are 7 display boxes presenting the battery power from low to high.
7. The voltage on the display interface is measured in real time, and the voltage value is displayed on 10-100V.
8. The percentage on the display interface is the percentage of the remaining battery power.
9. When the battery is connected to the charger or the discharger of the large current load, the display parameters will fluctuate.
10. The red indicator flashes as a reminder of low battery.



Parameter	Min	Typical	Max	Unit	Figure
Working Voltage	10		100	V	
Working Consumption		5	6	mA	Backlight ON
Voltage Accuracy		±0.1	±0.5	%	
Temperature Accuracy		±0.5	±1	°C	
Dormant Mode Consumption	6	10	12	uA	20V
Working Temperature	-10	25	55	°C	
Product Size				mm	61.5*33.5*13.5
Installation Size				mm	58.5*28.5
Display Size				mm	36*19.5
Weight	20	21	22	g	




Go into programming mode:

1. Power-on status, press  and last for about 5 seconds, enter the main menu, as shown in Figure P2:



2. The main menu has 5 sub menus: 1--, 2--, 3--, 4--, 5--.

3. Press  and the 5 submenus loops.

4. Each function of 5 sub menu:



1--: Select built-in preset battery specification: lithium battery, lead acid battery, LFP battery. (This instrument is used for 48V Lead-acid Battery by default. If you want to adjust it to use for other kinds of batteries, please contact us.)

2--: Setting Delay Time Delay OFF/ON, and adjust delay time.

3--: Customize the voltage of percentage 0 to 100.

4--: Buzzer ON/OFF and alarm value setting.

5--: Calibrate the instrument voltage.

5. Press , select the menu to enter, hold press  to quit.

6. All parameters are subject to the last save.

● Set Delay Time Delay OFF/ON and adjust delay time:





On this menu, delay OFF/ON and the delay time can be set, as shown in P3:

Left side is to switch ON or OFF;

Right side is to select the delay time (10/30/60/120, unit: S).



Setting Steps:

Enter the menu 2--, press  to change the parameters, press  to carry bits, press  to save parameters, press  to exit.


Note: D symbol light on after turning on the delay function. If the switch is OFF, the delay function will be invalid.

● Calibrate the instrument voltage:

Enter the menu 5--, as shown in P4:

Before entering the calibration interface, please provide an accurate 20V operating voltage for the instrument.

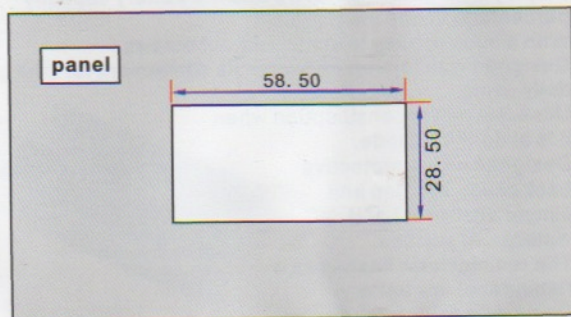
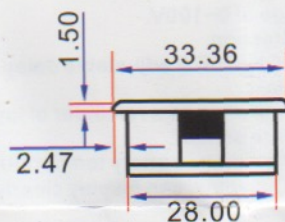
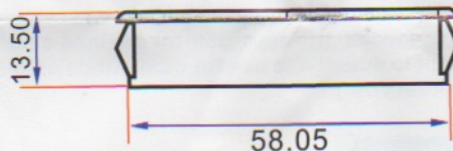
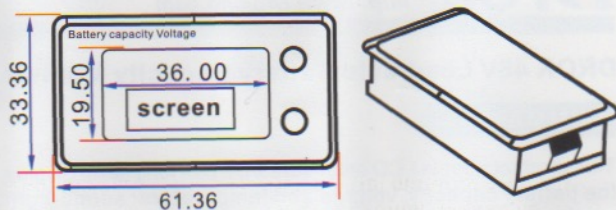


To prevent misoperation, long press  to enter the menu in 5--status, and then the meter will be automatically calibrated according to the supplied voltage. But it cannot be calibrated if the voltage range is not between 19 and 20V.

Notes: Please provide an accurate 20V operating voltage for the device to ensure correct calibration, otherwise, the error will be bigger.

When the calibration is complete, the device will automatically exit this menu and display the normal working interface.

SIZE: (mm)



Panel Openings Dimensions

Note: The best panel thickness 2~3mm, please adjust the opening size according to the panel material properly.