Datasheet
RS PRO LED Battery Meter

Stock number: 180-9261

Function description:

1. On start-up the LED's will scan (LED Test mode)

2. The meter will automatically display the current battery power when connected to the battery.

3. When the battery voltage falls below the currently displayed LED bar for >155s, the highest LED segment switches off.
The LED bar display function is that as the voltage level drops the LED segments switch off one by one, 155 seconds after the voltage falls below the threshold for the currently illuminated highest LED segment.

4. While charging, when the battery voltage increases above the voltage threshold of current LED bar for >200s the next LED segment illuminates.
The charging status is shown from the first bar to the current bar.
The LED bar display function is that as the voltage level increases the
LED segments illuminate one by one, 200 seconds after the voltage increases above the threshold for the currently illuminated highest LED segment.

5. When disconnected then reconnected to battery, the meter will retest the current battery power and display the related voltage LED bar.
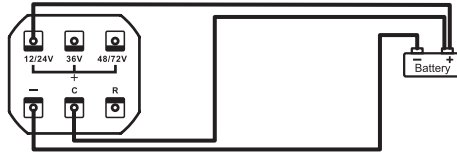
Remarks:

1. Ensure the correct voltage is applied to the meter. Failure to apply the correct voltage will cause the indicator to malfunction or fail.

2. Ensure that terminal C is connected to positive pole of battery either directly or through a suitable key-switch as illustrated. If not the indicator will scan from full to empty then shut off.

3. Ensure the voltage matches the indicator. If not, red, yellow and green LED's will illuminate. If the applied voltage exceeds the meters maximum tolerated voltage the meter will fail
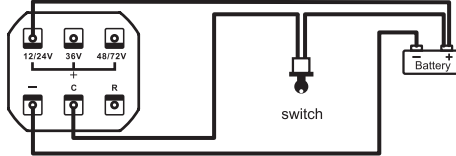
Specifications

Capacity	1Red 2Yellow 7Green color LED for indicator
Resolution	10% per LED segment
Operating Voltage	12/24V,36V,48/72V (With/Without Key Terminal)
Operating Current	20 mA nominal
Storage and Operating	-40℃ to +85℃ Temperature
Humidity	95% RH+32C for 2Hours
Polarity	Positive/Negative/C
Waterproof	IP65

+/- connection
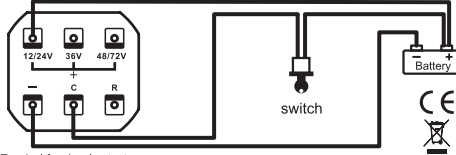**For example, the connection for 12V/24V battery.**

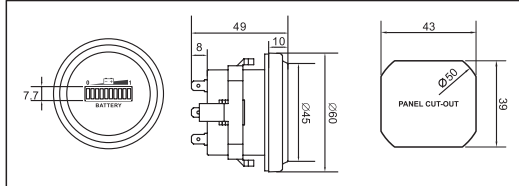No switch. LED lights will be always on when connected to the battery.

+/-/C connection

switch

Switch available. LED lights can be turned off.

+/-/C/R connection

switch

R Terminal for signal output
When battery capacity is more than 10%, the output voltage is 5V.
When battery capacity is less than 10%, the output voltage is 0V.

Working voltage of every bar

Voltage	≤1	2	3	4	5	6	7	8	9	10
12V	10.38	10.59	10.8	11.01	11.22	11.43	11.64	11.85	12.3	≥12.3
24V	20.76	21.18	21.6	22.02	22.44	22.86	23.28	23.7	24.6	≥24.6
36V	31.14	31.77	32.4	33.03	33.66	34.29	34.92	35.55	36.9	≥36.9
48V	41.52	42.36	43.2	44.04	44.88	45.72	46.56	47.4	49.2	≥49.2
72V	62.28	63.54	64.8	66.06	67.32	68.58	69.84	71.1	73.8	≥73.8
Display Mode	1#—2# flash Alternately (frequency: 1Hz)	Only 2# flash (frequency: 1Hz)	Only 3# lit	Only 4# lit	Only 5# lit	Only 6# lit	Only 7# lit	Only 8# lit	Only 9# lit	Only 10# lit
Display color of LED	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green
Delay	Delay 155s / bar									

Warning: Before you connect the indicator to battery, please confirm the voltage of your battery first, and connect the positive electrode to the correct pin of the indicator on the back, wrong voltage connection maybe cause the battery indicator damage.