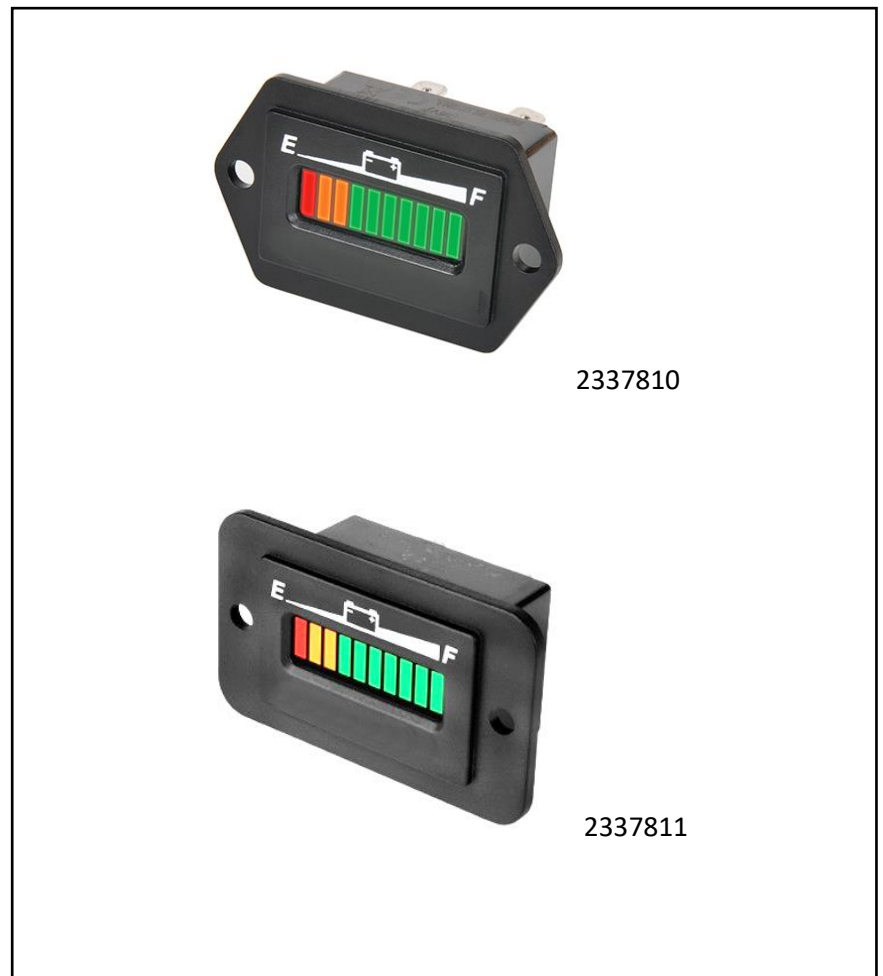


## FEATURES

- Battery 'fuel gauge'
- Battery-Low output signal, 5V/5mA
- 12/24Vdc
- Multi-Colour Segment Display
- IP65 frontplate
- Single segment or Multi-Segment display mode

## RS PRO Battery 'Fuel-Gauge' with alarm output

RS Stock No.: 2337810, 2337811



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

- *Monitor the charge state of Batteries*
- *5V/5mA output to remotely signal when the battery is low*
- *Used in Battery powered vehicles and machines such as Fork-Lift Trucks, Golf-Carts and Trolleys, Lawn Mowers, Industrial Pressure Washers.*

### General Specifications

#### Overview

*The Battery fuel gauges measure the remaining power in a battery by monitoring the voltage change of the device. The 10 bar Multi-Colour LED display indicates the battery level, the resolution: 10% for each LED segment. A 5V/5mA voltage output can be used to activate a suitable audible or visual warning or remove alarm.*

*These battery meters have an IP65 surface waterproof design to adapt to the harsh external environment.*

*The display can be set to show only the LED bar corresponding to the current battery state or all LED bars up to the current battery state.*

### Mechanical Specifications

<b>Dimensions</b>	53mm (max 2337810) x 32mm bezel x 27.1mm deep (Max)
<b>Panel cut-out</b>	37mm x 25mm
<b>Panel fixing</b>	Through panel M2 nut and bolt (Supplied)
<b>Display Window size</b>	25.5mm x 7.6mm
<b>Weight</b>	36gm
<b>Connections</b>	Fast-on terminals. Insulated spades supplied.

### Electrical Specifications

<b>Battery Voltages measured</b>	12/24/Vdc
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# Voltmeters

<b>Battery types</b>	Lead-Acid
<b>Display Accuracy</b>	Voltage: 0.01V. Percentage +/- 1%
<b>Maintenance Time-Out Signal</b>	5.0V/50mA

## Protection Category

<b>IP Category</b>	IP65
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## Additional Information

<b>Custom Tariff Number</b>	9030337000
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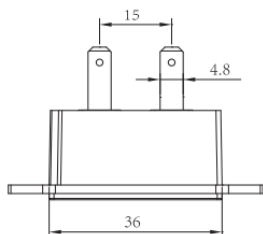
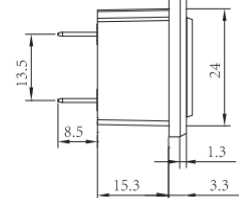
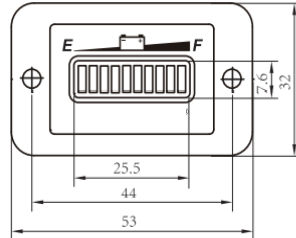
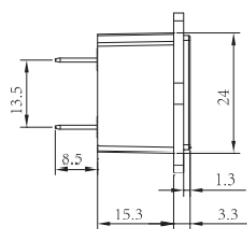
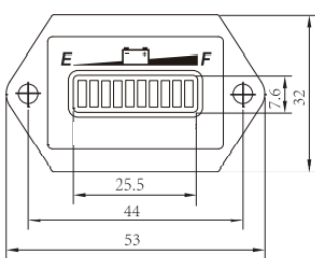
## Approvals

<b>Declarations</b>	CE, RoHS
<b>Standards Met</b>	CE.

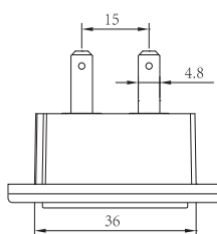
## Dimensions

2337810

2337811



Unit: mm



Unit: mm

## Connection Examples

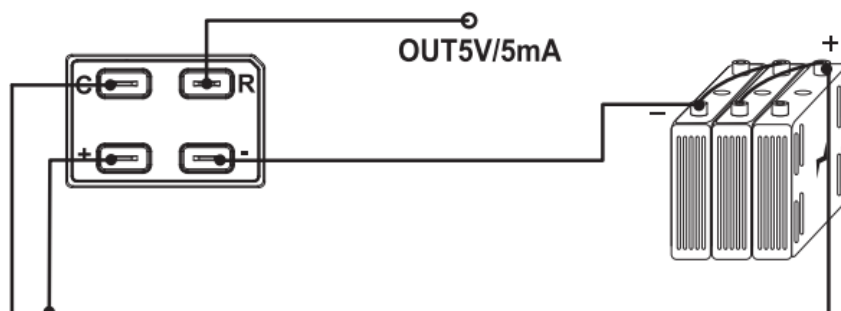
### Basic Connection



### Using the 5V output

- You can connect the "R" pin as needed to get a voltage output function.

**Note:** When the "R" pin is connected, the voltage "0V" or "5V" can be output. When the battery capacity is more than 10%, "5V" is output; when the battery capacity is less than 10%, "0V" is output.

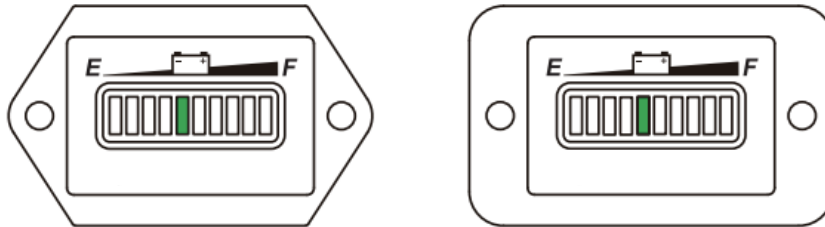


## Display options

### Alternative display modes

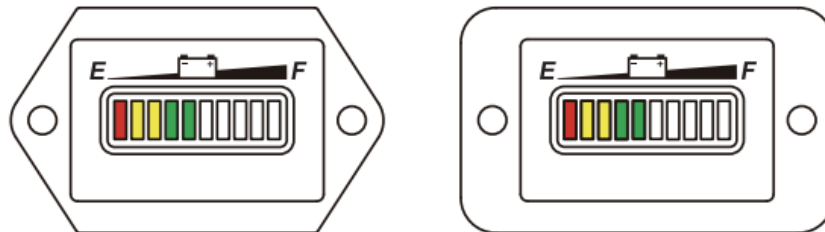
#### Single Segment Display

- When the "C" pin is not connected, the LED light bar displays the current voltage position in a single display. For example, when the voltage is in the fifth gear, only the fifth light bar is lit from left to right.



#### Multi Segment Display

- When the "C" pin is connected to the positive pole of the power supply, the LED light bar displays the current voltage position in multi-screen display. For example, when the voltage is in the fifth gear, all the five light bars from left to right are illuminated.



Please put the meter into the mounting hole and fix it with screws.

## Installation

