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Handson Technology INS1030 12V-48V SLA Battery Capacity Indicator Module User Guide

Contents

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Product Information

8-Segment Bar Graph and 3-digit display for Sealed Lead Acid (SLA) capacity meter. Suitable for 12V/24V/36/48V SLA battery level measurement. Auto ranging with SLA batter connected.

- **Product Name:** 12V~48V SLA Battery Capacity Indicator Module
- **Brand:** Handson Technology
- **SKU:** INS1030
- **Bar Graph:** 8- Bar-graph
- **Digital Display:** 3-Digit
- **Battery Level Indicator Range:** (11.1 ~ 54) VDC
- **Operating Current:** (5~15) mA
- **Bar Graph Resolution:** 10%, 25%, 40%, 50%, 60%, 75%, 90%, 100%
- **Ranging:** Auto
- **Display Color:** Red & Green
- **Dimension (L x W x H):** (47x23x15) mm
- **Mounting Type:** Clip-On Panel Mount
- **Operating Temperature:** -10~65 degrees Celsius
- **Weight:** 5g

Product Usage Instructions

1. Ensure that the SLA battery is connected to the module.
2. Observe the bar graph and digital display to monitor the battery level.

3. The bar graph consists of 8 segments, each representing a certain percentage of the battery capacity. The segments correspond to the following percentages:
    - Segment 1: 10%
    - Segment 2: 25%
    - Segment 3: 40%
    - Segment 4: 50%
    - Segment 5: 60%
    - Segment 6: 75%
    - Segment 7: 90%
    - Segment 8: 100%
4. The digital display shows the battery voltage in VDC (Volts DC).
5. The module supports SLA batteries with voltage levels ranging from 11.1V to 54V.
6. The operating current of the module is between 5mA and 15mA.
7. The module's display color is red and green.
8. The module can be mounted using the clip-on panel mount method.
9. Ensure that the operating temperature is within the range of -10 to 65 degrees Celsius.

For more information and resources, visit the HandsOn Technology website at **www.handsontec.com**.

Brief Data

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- **Operating Temperature:** -10℃~65℃.
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Mechanical Dimension

Unit: mm

Indicator Level

HandsOn Technology provides a multimedia and interactive platform for everyone interested in electronics. From beginner to diehard, from student to lecturer. Information, education, inspiration and entertainment. Analog and digital, practical and theoretical; software and hardware.
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Documents / Resources

	Handson Technology INS1030 12V-48V SLA Battery Capacity Indicator Module [pdf] User Guide INS1030 12V 48V SLA Battery Capacity Indicator Module, INS1030, 12V 48V SLA Battery Capacity Indicator Module, Capacity Indicator Module, Indicator Module, Module

References

- **HandsOn Tech – Open Source Electronics Platform**
- **Arduino Boards – HandsOn Tech**
- **Breakout Boards & Modules – HandsOn Tech**
- **Connectors – HandsOn Tech**
- **Electro-Mechanical – HandsOn Tech**
- **Electronics Components – HandsOn Tech**
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