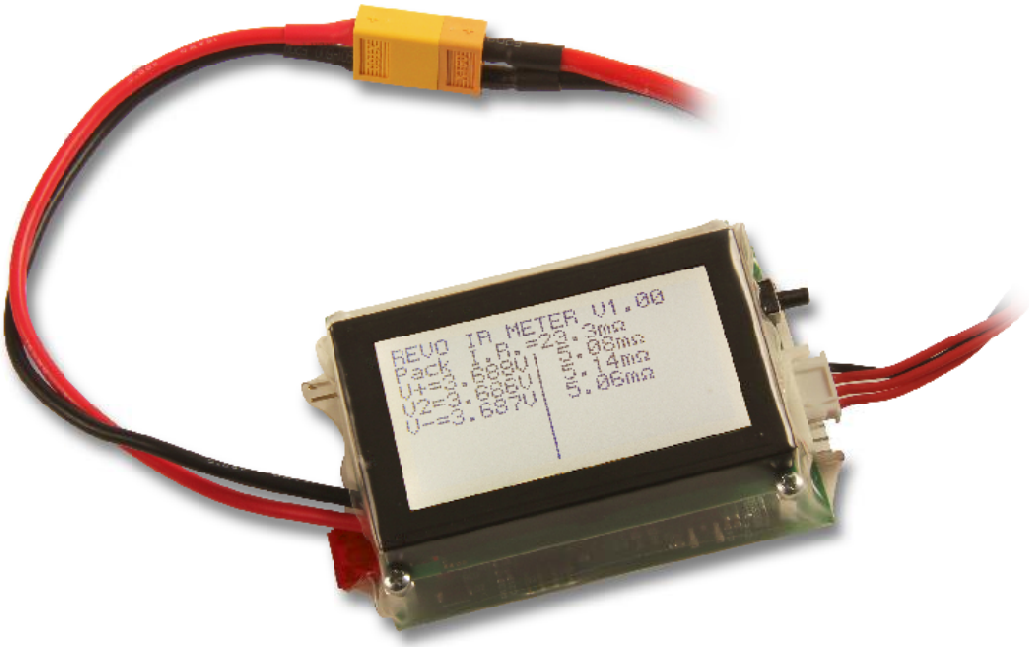
Process Measurement & Analysis Ltd
Brook Mills House
Carr Lane
Slaithwaite
West Yorkshire
HD7 5BG



IR Meter

OPTI Part No. OPRDCIR

User's Guide

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Rev1.0

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Specifications

For Battery types: LiPo (2s to 6s) / LiPo HV (2s to 6s) / LiFePO4 (3s to 6s).

Battery input voltage: 7.4V to 26.1V

Cell internal resistance: < 250mΩ

Pack internal resistance: < 1Ω

Input protection: 10A fused

Mains connector: XT60

Balance connector: Modified JST XH series, 7 position max; accepts 2s-8s balance plugs on batteries

LCD: 2.6", 128 x 64 pixels graphic LCD with white LED backlight

Size: 95mm x 56mm x 26mm

Safety Warnings

- Follow all instructions in this manual to ensure safe operation.
- Never leave LiPo packs connected to the IR meter unattended.
- Follow all safety warnings for handling LiPo cells.
- Minor arcing may occur when discharge wires are connected to the IR Meter. This is normal.

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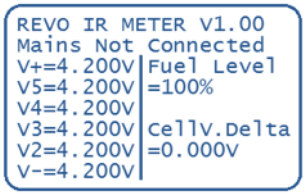
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Instructions

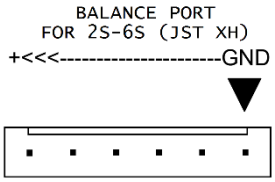


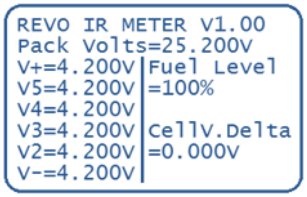
1. This IR meter is intended to measure the cell and pack internal resistances of LiPo packs. Do not connect other battery chemistry types to the meter.

2. Each time the IR meter is powered up, the Revolectrix logo will be displayed for 2 seconds.

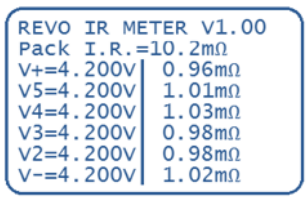


3. First connect the balance cable to the IR meter. Note that the ground pin of the LiPo pack should be connected to the rightmost pin of the balance connector as shown below. For any packs other than 6S, leave the leftmost pins un-connected. If the ground pin is not aligned to the rightmost pin, the IR meter will not power up. For this reason, it is best to always connect the balance cable first. If the IR meter powers up, that means the balance connector have been aligned correctly.



4. 

cell voltage readings, the mains cable
LCD will refresh itself to display both
and total pack voltage. The fuel level
ack and the difference between the
ll voltage will be displayed as well.

5. 

nce of the pack, press the button once.
and individual cell internal resistances

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Support options

For Support on REVOLECTRIX Products in Europe:

E: SALES@OPTIPOWER.CO.UK
T: +44 (0) 1484 843708

REVOLECTRIX limited warranty

REVOLECTRIX warrants this product to be free of manufacturing defects for the term of one year from the date of purchase. Should any defects covered by this warranty occur, the product shall be repaired or replaced with a unit of equal performance by REVOLECTRIX or an authorized REVOLECTRIX service station. Unit must be returned to the original place of purchase.

Limits and Exclusions

This warranty may be enforced only by the original purchaser, who uses this product in its original condition as purchased, in strict accordance with the product's instructions. Units returned for warranty service to a REVOLECTRIX service center will be accepted for service when shipped postpaid, with an assigned Return Merchandise Authorization (RMA) form to the service station designated by REVOLECTRIX. To obtain an RMA, contact REVOLECTRIX. If you purchased the unit directly from REVOLECTRIX, you may also file a case on line at REVO USA (US web store) or REVO Intl (International web store) to start the RMA process. If you purchased the product from an authorized distributor or dealer, contact the distributor or dealer for further instructions.

This warranty does not apply to:

- Consequential or incidental losses resulting from the use of this product.
- Damage resulting from accident, misuse, abuse, neglect, electrical surges, reversed polarity on connectors, lightning or other acts of God.
- Damage from failure to follow instructions supplied with the product.
- Damage occurring during shipment of the product either to the customer or from the customer for service (claims must be presented to the carrier).
- Damage resulting from repair, adjustment, or any alteration of the product by anyone other than an authorized REVOLECTRIX technician.
- Installation or removal charges, or damage caused by improper installation or removal.

Call +44 (0)1484 843708 for more information about service and warranty repairs