

# Supplement

Manual Title: IRR1-SOL Users Manual

Part Number: 5237649

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This supplement contains information necessary to ensure the accuracy of the above manual.

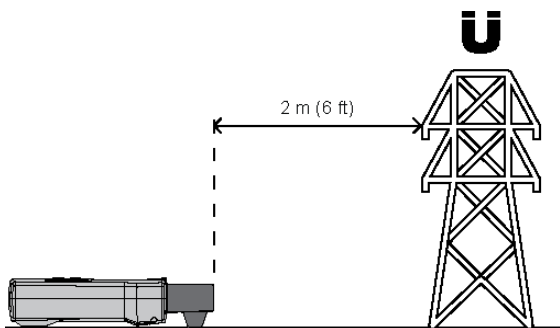
## Change #1,

Add a new section, **Compass Calibration** before the **Maintenance** section.

### **Compass Calibration**

The Product contains a compass. The compass is affected by metal in the environment. Recalibrate the compass:

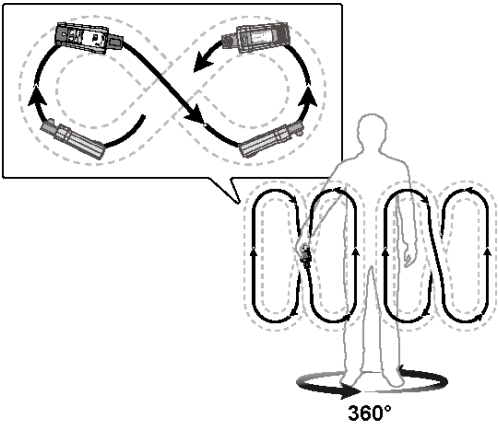
- Before the first use.
  - Each time you change the batteries.
  - When you change locations.
  - When there is a significant change in the environment. (For example, new metal fittings.)
1. Do the calibration outdoors, at least 6 feet (2 m) away from any metal objects.



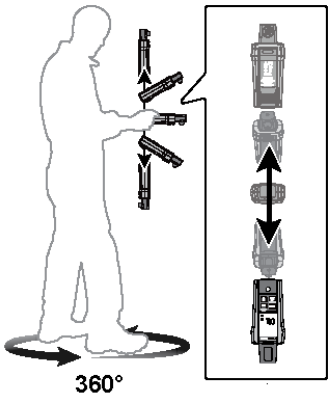
2. Push and hold the  button while powering on the Product to enter compass calibration mode. The Product shows CAL and the compass icon.



3. Slowly turn the Product around all three axis in the space using figure 8 movement (approximately 3 seconds per movement). Continue turning the product while slowly rotating your body 360 degrees for 3 complete body rotations at a steady pace, take at least 1 minute to complete the body rotation.



4. Slowly turn the Product around on the vertical axis (approximately 2 seconds per movement). Continue turning the product while slowly rotating your body 360 degrees for 1 complete rotation at a steady pace, take at least 1 minute to complete the body rotation.



5. Turn off the Product. The Product stores the calibration data.



Change #2,

In the **Battery Replacement** section add step 6.  
6. Do the Compass Calibration.

Change #3,

In the **Specifications** section under **Irradiance**, replace the following and add the note:  
Measuring Range.....100 W/m<sup>2</sup> to 1400 Wm<sup>2</sup>

*Note*  
*Irradiance measurement accuracy is specified for an angle of incidence ≤35 degrees from the sun at AM1.5 (ASTM G-173) spectrum.*

Change #4, 291

In the **Specifications, Temperature Measurement** section, replace with the following:

Measuring Accuracy.....±5 °C (±9 °F) @ -10 °C to 75 °C  
(14 °F to 167 °F),  
±8 °C (±14.5 °F) @ -30 °C to -10 °C  
(-22 °F to 14 °F) and 75 °C to 100 °C  
(167 °F to 212 °F)

In the **Specifications, Inclination Angle** section, replace with the following:

Measuring Accuracy  
(typical).....±1.5° @ -50° and +50°  
±2.5° @ -85° to -50° and +50° to +85°  
±3.5° @ -90° to -85° and +85° to +90°