

# SOLAR<sup>®</sup> L I G H T

## QUICK START GUIDE

MODEL PMA2100 PHOTOMETER / RADIOMETER



*PMA2100 Side View*



*PMA2100 Side View*



*PMA2100 Back View*



*For Use With NIST-Traceable  
PMA Series Digital Sensors*



*PMA2100 Front View*

# QUICK START GUIDE INSTRUCTIONS

While sophisticated and powerful, the PMA2100 is a user-friendly instrument allowing for simple “plug-and play” operation.

## SELECTION OF THE SENSOR

A critical part of every measurement process is the sensor selection. The criteria that need to be addressed when making that decision are:

- Anticipated signal characteristics
- Environmental factors such as temperature range and humidity

The PMA family includes sensors for both indoor and permanent outdoor operation, satisfying virtually any operating environment.

## MEASURING WITH PMA2100

To perform measurements with a PMA2100 the following steps should be followed:

- 1 Remove the PMA2100 from its carrying case
- 2 Power it **ON** by pressing the **ON/OFF** button. If the meter does not respond, attach the battery charger to operate from external power or charge the batteries. The unit will be powered **ON** whenever connected to the external power supply. The PMA2100 will turn itself **OFF** after 3 minutes of inactivity if no sensor is attached.
- 3 Plug the selected sensor into one of the two sensor inputs located on the side of the meter. The meter will indicate the connection by a beep and the display will show the measurement result. Squeeze the locking arms of the sensor plug while connecting or disconnecting it.
- 4 If only one sensor is attached, the meter's display will automatically switch to the only

occupied channel. If two sensors are simultaneously operating, use the **◀▶** keys to switch between the channels. While displaying the measurement result, the PMA is in a “data mode,” as opposed to a “setup mode” when the meter or sensor setup is shown or edited. Upon power-up the PMA2100 automatically enters the “data mode.”

- 5 In order to turn the PMA2100 **OFF**, return to the “display mode” and press the **ON/OFF** key. If the LCD is in a mode other than “display mode,” the **ON/OFF** key is inactive. To return to the “data mode,” press the **Start/Stop/Escape** key repeatedly. If unit is connected to external power, it will remain powered up and an **ON/OFF** will have no effect.

### HOW TO ACCESS THE COMPLETE USER MANUAL

- 1 Visit [www.solarlight.com/product/datalogging-radiometer-pma2100](http://www.solarlight.com/product/datalogging-radiometer-pma2100)
- 2 Scroll down and note the lime green “**Description**” tab will already be chosen. Select “**Literature & Downloads**” from this menu.
- 3 Click “**Download**” found to the right of “**User Manual**” to gain access to the complete user manual.