

SOLAR[®] 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/Esc** 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
- 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.