



510 Solar Irradiance Meter

510
Solar Meter
0212

Test the TPI Advantage

Value • Performance • Service • Safety

Applications

- Use to find the optimal angle of inclination for installing solar panels
- Measure light intensity through windows
- Determine the effectiveness of solar film / window tint.



Features and Benefits

- Measure solar radiation (irradiance).
- Displays results in W/m² or BTU
- 0 to 1999 W/m² (0 to 634 BTU) range
- Min / Max and Data hold functions

Specifications

Range:	1999W/m ² / 634BTU/(ft ² *h)
Accuracy:	typically within +/-10W/m ² [+/-3BTU/(ft ² *h)] or +/-5%, whichever is greater in sunlight; additional temperature induced error +/-0.38W/m ² /°C [+/-0.12BTU/(ft ² *h)/°C] from 25°C
Display:	3-1/2 digits LCD with maximum reading 1999
Sampling Time:	approx. 0.25 second
Resolution:	0.1W/m ² / 0.1BTU/(ft ² *h)
Operating Temp. & RH:	41°F~104°F (5°C~40°C), below 80%RH.
Storage Temp. & RH:	14°F~140°F (-10°C~60°C), below 70% RH.
Dimensions & Weight:	5.1 x 2.4 x 1.5" 5.3oz (132 x 60 x38 mm, approx. 150g)

TPI
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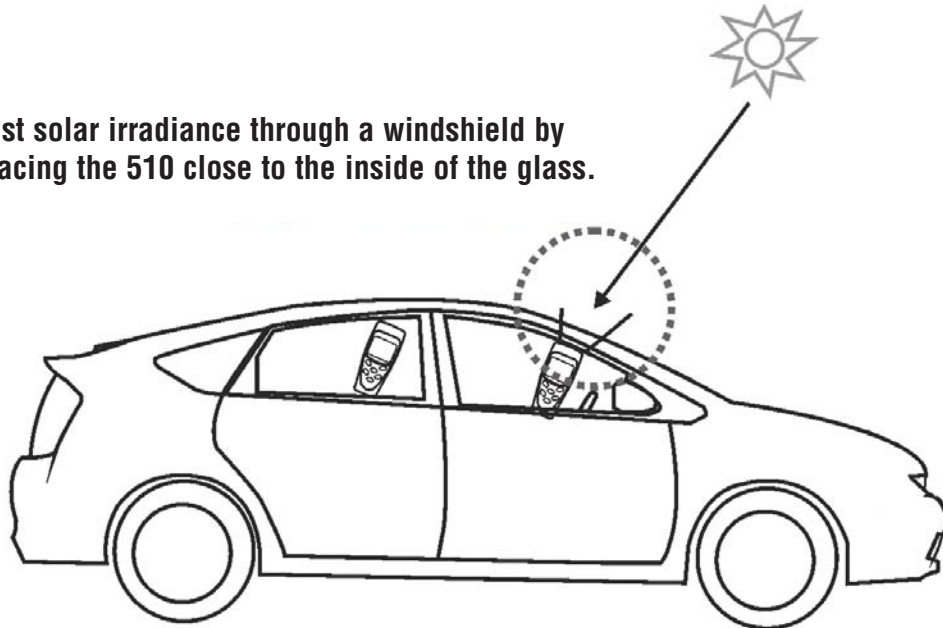
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TPI 510 Applications

Measuring Solar Irradiance

Test solar irradiance through a windshield by placing the 510 close to the inside of the glass.



Measuring Headlight Intensity

Turn on the headlights and place the 510 close to the headlight lens to test light intensity

