510 Solar Irradiance Meter

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/m² / 634BTU/(ft²*h)
Accuracy:	typically within +/-10W/m² [+/-3BTU/(ft²*h)] or +/-5%, whichever is greater in sunlight; additional temperature induced error +/-0.38W/m²/°C [+/-0.12BTU/(ft²*h)/°C] from 25°C
Display:	3-1/2 digits LCD with maximum reading 1999
Sampling Time:	approx. 0.25 second
Resolution:	0.1W/m² / 0.1BTU/(ft²*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)

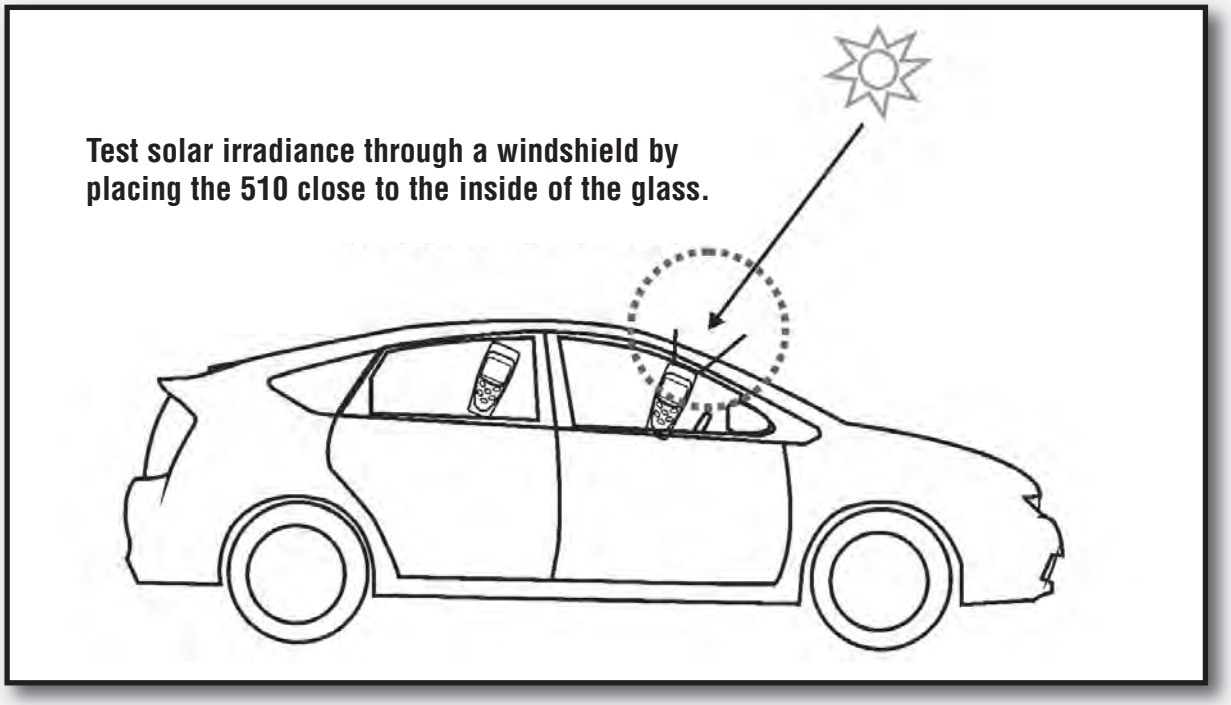
510 Solar Irradiance Meter

Test the TPI Advantage

Value • Performance • Service • Safety

TPI 510 Applications

Measuring Solar Irradiance



Measuring Headlight Intensity