

LS182 Solar Film Transmission Meter

User Manual V4.1

LS182 is able to simultaneously measure and display UV, IR rejection value and visible light transmission value. This meter is self-contained light sources and self-calibration. No manual adjustment is needed. The users only need plug the power supply, turn on the switch and put the solar film in the opening. The resulting performance data appear on the display.

I: LS182 parameter

1. Size: 216mm*134mm*29mm (L*H*W)
2. Testing opening: Wide 47mm * Height 91 mm
3. Weigh: 590g
4. Resolution: 0.1%
5. Accuracy: $\pm 2\%$ (Colorless and transparent material)
6. UV peak wavelength: 365nm
7. Visible light peak wavelength: 550nm
8. IR wavelength: 950nm, 1400nm and Full IR
9. SHGC: 0.000 --- 1.000
9. Power supply: 5V AC/DC Adapter

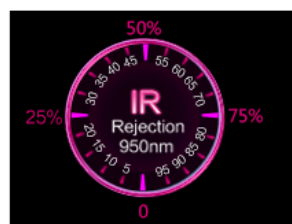


II: LS182 structure

- "OFF/ON" Power Switch
- "5VDC" The power supply socket
- "USB" Micro USB socket, mobile power supply to power the instrument
- "950nm, Full IR and 1400nm", Dial switch for three different IR wavelength



1400nm



950nm

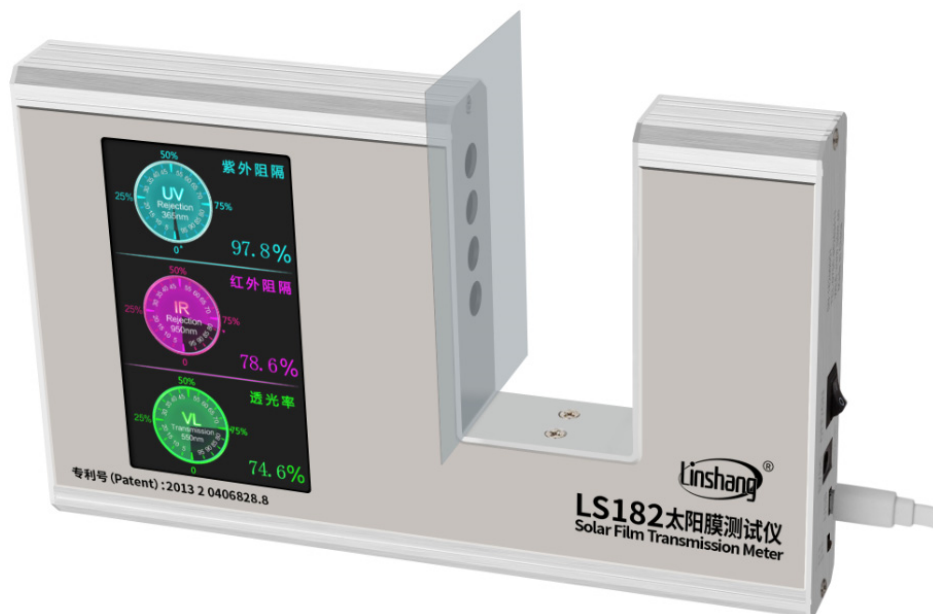


III: Operation

1. Plug the power supply, keep the opening is empty, turn on the switch, UV rejection and IR rejection displays will show 0%, VL transmission display will show 100%.

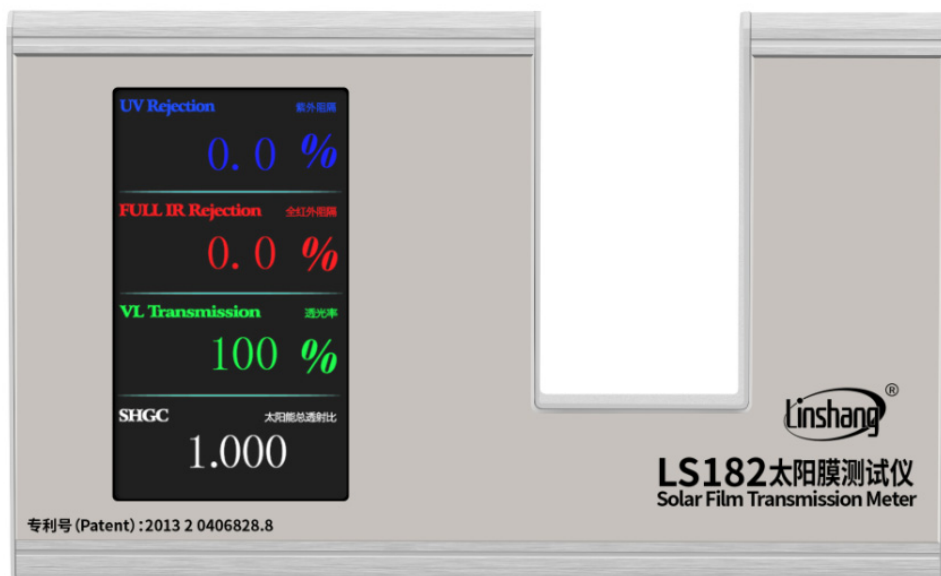


2. Place sample into the opening to measure the performance characteristics. Refer to the following picture demonstrations.



3: SHGC measurement

Dial switch to "Full IR" position, then Refer to the following picture demonstrations.



***Note: SHGC measurement is not valid on window film or colored glass**

IV: Feature

1. UV Rejection meter, IR Rejection meter, Light Transmittance Meter, Three function in ONE device.
2. IR Rejection meter testing 950nm, 1400nm and Full IR wavelength.
3. Self-calibration and auto-calibration, NO need any manual adjustments.
4. Simple operation, putting the testing sample in the opening, UV Rejection, IR Rejection, Visible light transmission value of the sample will simultaneously display.

V: Standard packing list

No.	Description	Quantity	Unit
1	LS182 Solar Film Transmission Meter	1	pcs
2	DC5V Adapter	1	pcs
3	User Manual	1	pcs
4	Certificate / warranty card	1	pcs

VI: Service

1. The meter has one-year warranty. If the meter works abnormally, please send the whole meter to the company for maintenance.
2. Provide users with spare parts and lifelong maintenance services.
3. Provide the users with the meter inspection service for free.
4. Free technical support for long term.

Manufacturer: Shenzhen Linshang Technology Co.,Ltd.

Website: www.linshangtech.com

Service hotline: 086-755-86263411

Email: sales21@linshangtech.com