

LS162/LS162A Transmission Meter

User Manual V5.0

Please read this manual carefully before using and reserve it for reference.

Note: IR Peak wavelength: LS162 is 940nm, LS162A is 1400nm

I. Product Introduction

The instrument 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 power on the meter and put the testing sample in the opening. The resulting performance data appear on the display.

II. Parameters

1. Size: 120mm *75mm *25mm (L*W*H)
2. Weigh: 165g
3. Thickness of testing sample: < 8mm
4. Resolution: 0.1%
5. Accuracy: $\pm 2\%$
6. VL wavelength: 380nm-760nm, CIE function of photopic vision
7. UV Peak wavelength: 365nm
8. Display: Segment LCD
9. IR Peak wavelength: 940nm / 1400nm
10. Power Supply: 4*AAA alkaline battery

III. Operation

1. Power on

When the meter is off, press the "ON/Hold" button.

2. Power off

Press "ON/Hold" button and hold for longer than 3 seconds, the meter will be powered off.

3. Auto off

No button is pressed in 3 minutes, and then the meter will power off automatically.

4. Manual hold

If "ON/Hold" button is short pressed during measure status, transmission value will hold on the LCD, "HOLD" symbol is displayed on the LCD. Press the "ON/Hold" button again will release the "Hold" mode.

5. Measurement

When UVR (Ultraviolet Rejection) and IRR (Infrared Rejection) display 0.0 and VLT (Visible light transmission) display 100, insert the testing sample in the "OPENING", VLT, UVR and IRR value will

display simultaneously.

IV. Feature

1. UV rejection meter, IR rejection meter, light transmittance meter. Three function in ONE device.
2. Small size, portable product for transmission value measurement.
3. Test any sample thickness up to 8mm.

V. Notes

1. When battery symbol is empty and flash, please replace the battery.
2. When not use for a long time (e.g. several months), please take the battery out.
3. Keep the "OPENING" is empty before turning on the meter. Otherwise the meter will display "E" interface or testing interface, empty the "OPENING", turn off and turn on again.
4. $\pm 2\%$ Accuracy is for colorless and transparent material, for colorful or optical coating product etc, it will be low accuracy.
5. Avoid contact with corrosive agents and prevent from high temperature and high humidity environment.

VI. Standard packing list

| No. | Description | Quantity | Unit |
|-----|-----------------------------|----------|------|
| 1 | Transmission Meter | 1 | pcs |
| 2 | AAA battery | 4 | pcs |
| 3 | User Manual | 1 | pcs |
| 4 | Certificate / warranty card | 1 | pcs |

VII. 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.



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