Transmission Meter

Code: 86160A

User Manual V6.06

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

I. Product introduction

Transmission Meter is a small size, portable product for transmission value measurement. It is able to simultaneously measure and display UV, IR rejection value and visible light transmission value.

Standards for the product

GB/T 31849-2015 Film mounted motor vehicle glass

GA/T 744-2013 Automotive solar control window films

JJF 1225-2009 Calibration Specification for Transmittance Meter of Automobile

JJG 178-2007 Ultraviolet,Visible,Near-Infrared Spectrophotometers

II. Parameters

Dimension	93mm×52mm×25mm (L×W×H)
Weight	65g (exclude batteries)
Thickness of testing sample	<0.8mm
Resolution	0.1%
Accuracy	±2%
VL Peak wavelength	530nm
UV Peak wavelength	365nm
IR Peak wavelength	1400nm
Power Supply	4×AAA alkaline battery
Supply Voltage	DC5V
Operating Current	10mA
Operating Power Consumption	50mW

III. Operation

1. Power on

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

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, the 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. When backlight is off, press the "ON/Hold" button turn on the backlight.

5. Measurement

When UVR (Ultraviolet Rejection) and IRR (Infrared Rejection) display 0% and VLT (Visible light transmission) display 100%, insert the testing sample in the "OPENING", VLT, UVR and IRR value will display simultaneously.

IV. Features

1. UV rejection meter, IR rejection meter, light transmittance meter. Three functions in ONE device.

2. Small size, portable product for transmission value measurement.

3. Simple operation, putting the testing sample in the "OPENING", VLT, UVR and IRR values of the sample will simultaneously display.

4. For window film, solar film and other transparence material testing.

V. Notes

1. When battery symbol is empty and flash, please replace the battery.

2. Keep the "OPENING" is empty before turning on the meter. Other wise the meter will display "Error" interface or testing interface, empty the "OPENING", turn off and turn on again.

3. ±2% Accuracy is for Colorless and transparent material, for colorful or optical coating product etc, it will be low accuracy.

VI. Standard packing list

No.	Description	Quantity	Unit
1	Transmission Meter	1	pcs
2	User Manual	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.