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WTX-01

Transmission Meter

User Manual

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

I. Product Introduction

The WTX-01 can simultaneously measure and display Ultra-Violet, Infrared and Visible Light Transmission values. This meter has self-contained light sources and a self-calibration. No manual adjustment is needed. After inserting the supplied batteries, the WTX-01 will be ready to produce accurate and repeatable data.

II. Parameters

1. Dimensions: 120mm * 75mm * 25mm (L*W*H)
2. Weight: 165g
3. Thickness of testing sample: < 8mm
4. Resolution: 0.1%
5. Accuracy: $\pm 2\%$
6. Visible Light Wavelength: 380nm - 760nm, conforming to CIE photopic luminosity 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

If no button is pressed for 3 minutes, the meter will power off automatically.

4. Manual hold

If "ON/Hold" button is pressed during the measuring status, the transmission values will hold on the display. A "HOLD" symbol will show on the screen when entering into this mode. A press of 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 values will display simultaneously.

IV. Feature

1. The WTX-01 can measure UV rejection, IR rejection and light transmittance, meaning it has three functions all within the ONE instrument.
2. Small and portable product with carry sleeve.
3. Ability to test any sample thickness up to 8mm.

V. Notes

1. When battery symbol is empty and flashes, please replace the battery.
2. When not in use for a long time (e.g. several months), please remove the batteries.
3. Keep the “OPENING” empty before turning on the meter. If the meter displays a “E” on the screen, empty the “OPENING” then turn off and turn on again.
4. $\pm 2\%$ accuracy is for colorless and transparent materials. Colorful or optical coated products may have a slightly lower 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