

# GlasSpec2500

## Optical and Thermal Parameters Measuring Instrument for Glass

**Specified Visible and NIR spectrum measurement instrument for architectural glass.**  
**Standard:** ISO 9050 Glass in building; determination of light transmittance, solar direct transmittance, total solar energy transmittance and ultraviolet transmittance, and related glazing factors.

Spectrum test & g value calculation in one

Wide spectrum 300 ~ 2500nm

Directly measure IG



### Brief

GlasSpec2500 is a spectrophotometer which can test UV & Visible & NIR spectrum, and optical and thermal parameters of glazing. The instrument not only can measure the single pane, but also can directly measure the insulating glass without separating.

### Functions

Spectrum transmittance  $\tau(\lambda)$ , Spectrum reflectance  $\rho(\lambda)$ .

Transmission and reflection color coordinates, color difference.

Solar direct transmittance ( $\tau_e$ ), reflectance ( $\rho_e$ ), absorptance ( $a_e$ ).

Total Solar Energy Transmittance (g), Total Solar Infrared Heat Transmittance ( $g_{IR}$ ), Shading Coefficient (SC),

Thermal Transmittance ( $U_g$ ), Visible Light to Total Solar Energy Transmittance (LSG).

### Parameters

| Item                 | Parameters                             | Item             | Parameters |
|----------------------|----------------------------------------|------------------|------------|
| Geometric conditions | 8°/ 8°                                 | Wavelength range | 300~2500nm |
| Light source         | Halogen                                |                  |            |
| Interface            | RJ45                                   | T/R Range        | 0~100%     |
| Power supply         | 100V~240VAC,50/60Hz                    |                  |            |
| Sample thickness     | Min: 50mm for normal IG                |                  |            |
| Sample size          | Min: 50*50mm, Max: 220mm from the edge |                  |            |
| Measuring speed      | ≤ 10s for full spectrum measurement    |                  |            |
| Dimension            | 500*500*700mm                          |                  |            |
| Weight               | 50Kg                                   |                  |            |

Remark: Aoptek reserves the right to modify the information, the actual instrument & manual be as final.