



Transmission Flats



Model TX Flat

- Fused Silica
- Surface Accuracy of $\lambda/20$
- Wedge of 15 arc minutes
- Clear Aperture = 100mm
- Compatible with bayonet-style mount
- Custom storage case included
- Low Cost

Product Description

The surface flatness of plano elements such as mirrors, prisms and windows can be verified by the use of an interferometer in conjunction with a Transmission Flat.

Transmission Flats are used when measuring the surface flatness or transmitted wavefront of flat surfaces or optics. The Tower TX FLAT provides a clear aperture of 100mm. The TX FLAT is an assembly of a precision optical window mounted in an anodized Aluminum ring that provides mounting compatibility with most bayonet-style housings. The transmission Flat assembly is supplied in an Aluminum shipping/storage case.

The TX Flat is supplied with one surface AR coated with $R \leq 0.25\%$ @ 633nm. The uncoated side has a reflectivity of about 4%. It is accompanied by a documented interferogram and Certificate of Compliance.

Pricing and ordering info

Catalog Number: 0560-0001

Price: \$1850.00

Specifications

Window

Material: Fused Silica

Transmitted Wavefront Distortion: $\lambda/20$

Diameter: 114.2mm

Thickness: 19.0mm

Surface Quality: 20/10, both sides

Wedge: 15 ± 1 arc minute

Protective Bevel: 1.0mm x 45°

Anti Reflective Coating: one side, $R \leq 0.25\%$
@ 633nm

Housing

Material: Aluminum, 6061-T6

Diameter: 127.0mm

Height: 28.1mm

Finish: Black Anodize

Case

Material: Aluminum frame