



Technical Specification Sheet

MINI RUGGED SPECTROMETER SYSTEMS

A Universe of Spectrometer Systems

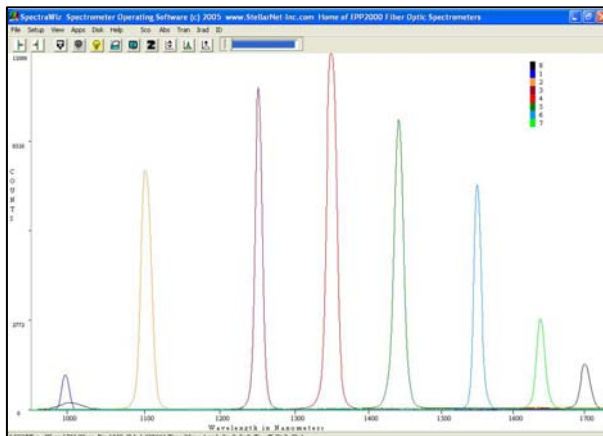
Optical Measurement Systems for Filters, Films, and Coatings

Spectrometer systems and options:

- Reliably measure a variety of optics samples (glass, plastics, etc) with thicknesses from a few mm to a few inches.
- Characterize tint/color (with CIELab values), transmission profiles, and UV cutoff for research and QA/QC applications.
- High Resolution UV-VIS (< 1nm) and NIR (< 2nm) spectrometers available for small gap Bandpass filters.
- Connect multiple spectrometers together with our DUAL-DSR options to cover the extended 200-2300nm range.



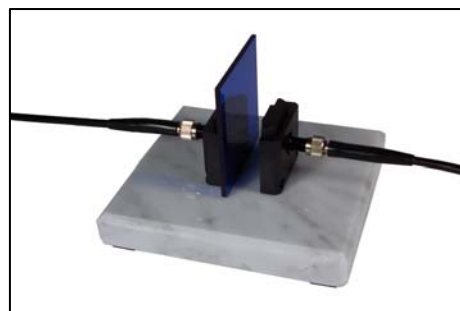
TXF-4 variable transmission fixture



NIR transmission spectra of various optical filters

Available Accessories:

- **TXF-1:** Fixed 10mm pathlength.
- **TXF-4:** Adjustable pathlength from a few millimeters up to a few inches for vertical samples.



TXF-1 fixed pathlength transmission fixture

Item	Description
UV-VIS-NIR Spectrometers	
BLK-C	UV-VIS concave spectrometer for 190-850nm, USB2 interface, & SpectraWiz software
BLK-C-SR	“Super Range” concave spectrometer for 200-1080nm, USB2 interface, & SpectraWiz software
DS-InGaAs-512	NIR Spectrometer for 900-1700nm, connects to VIS range units for extended coverage
DSR-CSR-512X	Concave grating (UV-VIS, CCD) plus NIRX-512 (InGaAs PDA) for 200-2300nm
Fiber Optic Accessories	
TXF-1	10mm fixed pathlength filter holder; includes two collimating lenses with SMA connections
TXF-4	Variable pathlength (vertical) holder; includes two collimating lenses with SMA connections
F600-VISNIR	Armored fiber optic cables for VIS-NIR, 2 meter length
F600-UVVIS-SR	Armored fiber optic cables for UV-VIS, 2 meter length
Light Sources	
SL1-Filter	VIS lamp for 400-2300nm range; 200W optical output
SL3	Deep UV lamp for 200-400nm range; 15W optical output
SL5	UV+VIS combination lamp for 200-1700nm range; 1W optical output

