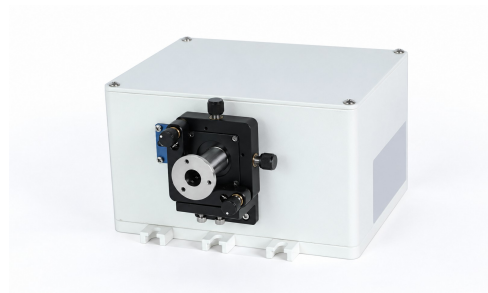


BTF

Broadband Tunable Filter

A motorised filter for selecting a visible band from an existing broadband source. Input and output collimation provide a configurable interface to supercontinuum and other suitable illumination systems.

Best suited to: Selecting a visible excitation band while retaining more spectral width than a narrow monochromator setting.



Configuration

Specify input beam geometry, spectral power and the desired bandwidth. Transmission through the filter and coupling efficiency describe different parts of the optical path.

Specifications

Published parameters	
Tuning interval	400–750 nm
Adjustable bandwidth	10–100 nm
Tuning speed	40 nm/s
Wavelength accuracy	±2 nm
Optical transmission	>70%
Published coupling efficiency	30%
Polarisation	Random
Power / control	100–240 V AC; USB

Measurement features

- Motorised band selection over the visible spectrum.
- USB control for automated wavelength scans.
- Collimator input and output; source purchased separately.

Configuration note

The technical parameter table specifies 10-100 nm bandwidth; the wider 10-300 nm statement in introductory copy is not used here.

Full configuration: www.precisometer.com/spectroscopy/light-sources/btf