

MiniTOP

Telescopic Optical Probe

Key features at a glance

- ▲ Perfectly round and sharp measuring spot with optimized Pritchard style optical system
- ▲ Precise measurement of luminance with high-end spectroradiometer
- ▲ Compact size that easily integrates into existing handler design
- ▲ Fast measurement speed for display production applications



The MiniTOP is a Pritchard style optical probe for a high-end spectrometer from the CAS series by Instrument Systems. It is designed to be a very compact and fast system for luminance measurements in display production applications. MiniTOP features a slightly tilted aperture mirror, ensuring a perfectly round and sharp measurement spot. An integrated view finder camera with a large field of view makes adjustment and alignment of the measurement spot very easy. MiniTOP can measure luminance levels as low as 0.05 cd/m² and allows for highly accurate and reproducible spectral measurements of displays. It offers a measurement spot size ranging from 1 mm to 30 mm and is equipped with mechanical mounting options on all four sides.

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MiniTOP – Telescopic Optical Probe	
Spectral range MiniTOP-100	190 nm – 5600 nm
Spectral range MiniTOP-104 (KOP 24 mm lens)	350 nm – 1100 nm
Dimensions (L x H x W)	65 mm x 63 mm x 30 mm
Dimensions with 90° curved optical fiber (L x H x W)	106.2 mm x 63 mm x 54 mm
Field-of-view of view finder camera	14 x 10.5 mm
Optical axis from base plate	43 mm
Measurement spot sizes	
Lens type	KOP 24 mm
Measurement distance (from measurement spot to lens)	100 mm
Aperture diameter	0.8 mm
Aperture angle	1.5°
Spot size	1 mm – 30 mm

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