

Spectrophotometer Linza 150

The spectrophotometer Linza 150 is designed for automatic measurement of the reflection and transmission of optical coatings on lenses and lens assemblies for p- and s- polarisations of light beams under the incident angles from 0° up to 60° in the wavelength range from 185nm up to 3500nm without manual adjustment of the measured samples with concave or convex surfaces with the size up to 120mm (reflection) or up to 150mm (transmission). The samples may be single lenses with curvature radii <-10° or >+10° as well as lens assemblies with focal lengths <-15mm or >+15mm. The software and its mathematical algorithms allow to derive the spectral characteristics of the refractive indices and absorption coefficients of the glass substrates and coating layers as well as the thicknesses of the coating layers.

available spectral ranges:	185-1700nm 185-3500nm 380-1700nm 380-3500nm
photometric functions:	absolute transmission and reflection for p- and s- polarisations
variable angle measurements:	0° - 60° (reflection) depend on assembly (transmission)
min. clear aperture of sample:	6mm x 2mm
wavelength resolution:	2nm up to 990nm 4nm up to 2450nm 8nm up to 3500nm
wavelength accuracy:	+/-0.24nm repeating accuracy +/-0.12nm
scanning speed:	600 wavelength points per minute
angle resolution:	0.01°
lens size:	dia 10mm ... 120mm (reflection) dia 10mm ... 150mm (transmission)
assembly dimensions:	dia 150mm x 240mm
curvature radii of single lenses:	-∞ ... -10mm, +10mm...+∞
focal lengths of assemblies:	-∞ ... -20mm, +20mm...+∞ (transm.) -∞ ... -15mm, +15mm...+∞ (reflect.)
device size:	680mm x 440mm x 360mm
device weight:	50kg
power input:	110/220V, 50/60Hz

