

Spectrophotometer Photon RT

The spectrophotometer Photon RT is designed for automatical measurement of the reflection and transmission of optical coatings for p- and s- polarisations of light beams under the incident angles from 0° up to 75° (transmission) and from 8° up to 75° (reflection) in the wavelength range from 185nm up to 5200nm without manual adjustment of the measured plane samples with the size up to 120mm. 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 190-4900nm 380-1700nm 380-3500nm 380-5200nm
photometric functions:	absolute transmission and reflection for p- and s- polarisations
variable angle measurements:	0° - 75° (transmission) 8° - 75° (reflection)
min. clear aperture of sample:	6mm x 2mm
wavelength resolution:	0.6nm up to 990nm 1.2nm up to 2450nm 2.4nm up to 5200nm
wavelength accuracy:	+/-0.24nm repeating accuracy +/-0.12nm
scanning speed:	600 wavelength points per minute
angle resolution:	0.01°
max. sample size:	120mm x 120mm
device size:	420mm x 610mm x 270mm
device weight:	45kg
power input:	110/220V, 50/60Hz

