

LINZA IR-T

SPECTROPHOTOMETER FOR
IR-LENS MEASUREMENT OF TRANSMISSION

TYPES OF LENSES:

- CONVEX
- CONCAVE
- ASPHERIC



DIAMETER OF LENSES

- 10 - 200 mm

SPECIFICATIONS

PARAMETER	DESCRIPTION
SAMPLE COMPARTMENT	
Maximum lens diameter, mm	200
Minimum lens diameter, mm	10
Focal length, mm	-20 ... +20
End to end maximum length of the lens assembly , mm	680

OPTICAL CONFIGURATION	
Effective wavelength range, nm	2700 - 5200
Optical scheme of monochromator	Czerny-Turner
Optics	Mirror, Al + MgF2
Reference channel	Yes
Wavelength sampling pitch, nm	0.5 ... 100
Wavelength scanning speed, nm/min	3 000 (at 5 wavelength sampling pitch)
Spot size on measured sample, mm	6x3
Photometric functions	% T
Spectral resolution, nm*	2,0
Wavelength accuracy, nm	1,0
Wavelength repeat accuracy, nm	+/- 0,5
Scattered light level, % max	0,2%
Photometric accuracy**	NRC NG11 SRM; +.-0.006 Abs (0.13 Abs); +/-0.0043 Abs (0.49 Abs); +/-0.0031 Abs (0.82 Abs); +/-0.002 Abs (1.0 Abs)
Photometric repeat accuracy**	NRC NG11 SRM; +.-0.0033 Abs (0.13 Abs); +/-0.0028 Abs (0.49 Abs); +/-0.0012 Abs (0.82 Abs); +/-0.0011 Abs (1.0 Abs)
Stability of baseline, %/hour **	+/- 0,3
Light sources	SiC source

INTERFACE, DIMENSIONS AND WEIGHT	
Interface	USB 2.0
Power consumption, Watt	110
Power input	110-220 VAC, 50-60Hz
Width x Depth x Height, mm	1060 x 410 x 420 (41,73 " x 16,14 " x 16,53")
Net weight, kg	86
*provided for optimal signal-to-noise ratio	
**after 1 hour warm-up time	