

OL 770VIS MULTICHANNEL SPECTRORADIOMETER SPECIFICATIONS

OL 770VIS SPECIFICATIONS	
WAVELENGTH RANGE (STANDARD)	380 to 780 nm
WAVELENGTH ACCURACY	± 0.5 nm
OPTICAL BANDWIDTH	3.0 nm (with 100 µm Input Slit Minimum Binning; 50 µm and 200 µm also Available)
SPECTRAL RESOLUTION	± 0.4 nm
SLITS (USER INTERCHANGEABLE)	100 Micron (Standard); 50 Micron & 200 Micron (Optional)
OPTICAL FOCAL LENGTH	140 mm
OPTICAL INPUT	3 mm X 1 m Fiber Optic Probe
OPTICAL APERTURE	f/2
OPERATING TEMPERATURE	0 to 40°C
OPERATING HUMIDITY	0 to 90% (Non-condensing)
DETECTOR TECHNOLOGY	TE-Cooled, back-Thinned, 2-Dimensional CCD Array
DETECTOR COOLING TEMPERATURE	-10°C
QUANTUM EFFICIENCY	> 90% at 650 nm
CHROMATICITY ACCURACY	± 0.002 x,y
CHROMATICITY REPEATABILITY (TEMPERATURE STABILIZED BLUE LED)	± 0.00015 x, ± 0.0002 y
STRAY LIGHT (TUNGSTEN SOURCE)	< 2.5 E ⁻⁴ (> 300 nm)
INTEGRATION TIME	20 ms – 60 s
A/D RESOLUTION	16 Bits
A/D RATE	250 kHz
POWER INPUT	115/230 Vac
INTERFACE	USB, RS-232
DIMENSIONS	7 ¼" W x 13 ¼" H x 13" D (18.4 cm W x 33.6 cm H x 33.0 cm D)
WEIGHT	22.5 lbs. (10.2 kg)

Information Sheet: IS42 Jan 2019

As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.