

Spectrophotometers

Visible & UV Spectrophotometers

The MD range offers low cost, yet high specification instruments comprising:

- MD-1105 and MD-2100 for visible light only
- MD-2000UV and MD-2100UV for UV/visible

All units come complete with microprocessor control offering fully automated functions including auto self test. RS232 analogue output and optional software are available. The instruments feature 4mm spectral bandwidth and soft keyboard operation. They also include a large sample compartment that will accept from 5mm to 100mm pathlength rectangular cuvettes. These units are ideal for the many tests performed in environmental protection, water, biochemistry, clinical, food, beverage and industrial laboratories.

- High performance scanning
- Single and multi-wavelength operation
- Kinetics, transmittance and absorbance analysis
- Clear easy to read display
- Advanced optical system ensures very low stray light
- Superior quality optical components ensure accurate and reliable analytical data
- Deuterium and tungsten lamps are used as the light sources



Glass and quartz spectrophotometer cuvettes also available



Product reference	MD-1105	MD-2100	MD-2000UV	MD2100UV	MD-1900UV
Optics	Single beam	Single beam	Single beam	Single beam	Double beam
Wavelength range	340-1000nm	320-1000nm	200-1000nm	190-1000nm	190 ~ 1100nm
Accuracy	±2nm	±1nm	±2nm	±1nm	+/-1 1nm
Bandwidth	6nm	4nm	5nm	4nm	0.5, 1, 2, 4
Grating	1200 lines/mm	1200 lines/mm	1200 lines/mm	1200 lines/mm	1600 lines/mm

Transmission range	0-100.0%T	0-125%T	0-125%T	0-125%T	0.0 ~ 200%T
	0-1.999A	-0.097-3.000A	-0.97-2.5A	-0.97-3.000A	-0.3 ~ 4.0A
	0-1999C	0-9999C	0-9999C	0-9999C	n/a
Accuracy	±1%T	±0.5%T	±0.5%T	±0.5%T	+/-0.5%T
Repeatability	0.5%T	0.3%T	0.3%T	0.3%T	0.3% T
Stability	±0.004A/h	±0.002A/h	±0.002A/h	±0.002A/h	+/- 0.002A/h

Specification	MD-1105	MD-2100	MD-2000UV	MD2100UV	MD-1900UV
Display	3.5LCD	2-line LCD	2-line LCD	2-line LCD	n/a
Cell holder	4 position	4 position	4 position	4 position	1 (fixed)
Dimensions (mm)	415 x 315 x 155	475 x 420 x 180	475 x 420 x 180	475 x 420 x 180	400 x 700 x 330
Weight (Kgs)	7	9	11	11	10

Mains power

220 - 240V / 50 - 60Hz