

# Spectrophotometers

## Models 74/76-series



- ◆ Choice of ranges:
  - Model 7410 Scanning Visible, range 320 to 1000nm, Quantitation and Kinetics modes, 5nm spectral bandwidth
  - Model 7415 Scanning UV, range 198 to 1000nm, Quantitation and Kinetics modes, 5nm spectral bandwidth
  - Model 7615 Split-beam, scanning UV, range 198 to 1000nm, with 1.5nm bandwidth
  - Model 7415 Nano Micro-volume sample, "drop-type" instrument, UV, range 198 to 1000nm, 5nm spectral bandwidth
- ◆ Large, high-definition, colour touchscreen display which allows full scans, quantitation curves and kinetics runs to be viewed easily
- ◆ 10GB onboard memory storage for results and methods
- ◆ Outputs include 2 x USB-A, 1 x USB-B and RJ45 ethernet
- ◆ Compact design minimises bench space required
- ◆ Accessory printer available

Catalogue No.		<b>SJ378-10</b>	<b>SJ378-15</b>	<b>SJ378-30</b>	<b>SJ379-05</b>
Model		7410	7415	7615	7415 Nano
Wavelength range	nm	320 to 1000		198 to 1000	
Bandwidth	nm	5	5	1.5	5
Wavelength accuracy	nm	±2 — all models			
Light source		Tungsten-halogen		Pulsed Xenon	
Repeatability	nm	±0.5 — all models			
Photometric ranges	Transmittance	0 to 199.9% x 0.1% resolution ±1% accuracy — all models			—
	Absorbance	-0.300 to 2.500A x 1A resolution ±0.1 accuracy (at 1.00) — all models			—
Concentration modes	range	-300 to 9999 — both models			—
	calibration	blank and 1 factor/standard — all models			—
Quantitation modes	range	-300 to 9999 — both models			—
	calibration	blank and up to 20 standards — all models			—
Kinetics modes	time, secs	2 to 9999 — both models			—
	analysis	conc., rate of change, initial and final abs. or % trans. — all models			—
Scanning modes	interval, nm	selectable 1/2/5/10 — all models			—
	analysis	abs., %T, peak, and valleys — all models			—
Nucleic acid modes		—	—	—	dsDNA, ssDNA, RNA, oligonucleotides, 260/280, 260/230, variable ratio
Protein modes		—	—	—	BCA, Bradford, Lowry, Biuret, direct UV
Sample range		—	—	—	0.5ul to 1ul
Path length capacity	mm	10 to 100 — all models			0.2 or 0.5 (auto-ranging)
Sample pedestal material		—	—	—	Quartz/stainless steel
Outputs		2 x USB-A, 1 x USB-B, 1 x RJ45 ethernet — all models			
Dimensions H x W x D	mm	156 x 280 x 500 — all models			
Weight	kg	9 — all models			

### Spectrophotometers 74/76 series, Jenway

As described. Supplied with 10mm cell holder (except SJ379-05 which has a micro-sample measurement pedestal and calibration standards), instructions and universal power supply for 100-240V 50/60Hz single phase supplies.

- SJ378-10** Model 7410
- SJ378-15** Model 7415
- SJ378-30** Model 7615
- SJ379-05** Model 7415 Nano

### Spares

- SJ378-33** Tungsten-halogen lamp for SJ378-10
- SJ364-09** Cell holder for 10mm cells

### Accessories

- CT102-05** Cuvettes, 10mm, pack of 100
- CS780-14** Square cuvettes, optical glass, 10mm path length
- SJ378-37** Automatic 8-cell changer
- SJ364-18** Cell holder, adjustable, for 20 to 100mm cells

Cell holder for 10mm square cuvettes, and 10mm, 16mm and 24mm diameter vials.

- SJ364-36** Cell holder, 10mm cuvette

External printer, with rechargeable battery and charger. A 100-230V 50/60Hz supply is required for the charger.

- MG180-85** Impact printer



SJ378, SJ379 is similar