

The CHROMA Model 260 Programmable Colorimeter

Full programmability allowing up to 100 methods to be installed by the user. This permits semi-automatic operation with the user only required to insert the prompted filter. An RS232 output allows the use of a serial printer and every result, blank and calibration is time stamped. The unit allows quick Absorbance and Transmission measurements with Auto- Zero, Concentration with Standard Solutions or Factor as well as the Kinetic Reaction Rate and End Point methods. Supplied with power supply, cuvette holder, cuvettes and bulb.



CO/45104

Technical Specifications

Display	LCD Programmable
Wavelength	Range 400-750 nm
Wavelength Settings	Selection of Drop-in Filters available
Bandpass	Gelatin 40 nm, Interference 6-10 nm
Modes	Absorbance, Transmission. Concentration, Factor, Kinetic (Rate and End Point) (Sample and Reagent blank)
Methods	100 programmable
Sample Numbering	Sequential and alpha-numeric 16 characters
Absorbance Range	0.000 to 1.999
Absorbance Resolution	0.001
Transmission Resolution	0.001
Light Source	Pre-focused tungsten lamp
Detector	Silicon Photo diode
Output	RS232
Stability	< ± 0.005A in any 15 min period
Photometric Reproducibility	± 1%T using same cuvette or test tube
Size and weight	218L x 230W x 188H (mm), 2.2Kg net
Power Requirements	90-264 VAC Auto-ranging or 12 V DC Battery

Gelatin filters

These are low cost selection devices which produce or transmit a wide band of radiation usually ± 20 nm. Most colorimetric analyses have a wide absorption band which allows excellent results to be obtained in conjunction with the CHROMA colorimeters. Coverage of all wavelengths in the visible spectrum is catered for using a set of 8 Gelatin filters. Most colorimeters are used for only one type of analysis and will require the use of only one filter.

Interference filters

These are used to select wavelengths more accurately by providing a narrow bandpass typically of around 10nm. The interference filter also only absorbs approximately 10% of the incident radiation over the whole spectrum thereby allowing light of higher intensity to reach the detector.

Sample containers

Sample containers are offered in a variety of forms depending on whether the important factor is sample size, speed of measurement or accuracy. For large dilute samples, sets of 12 matched test tubes are available. For smaller more concentrated samples cuvettes are offered.

Sample holders

Each instrument is supplied with a standard 10 mm cuvette holder for use with 45 mm high 10 x 10 mm glass or plastic cuvettes.

Cat. No.	Description	Pk Qty
CO/45104	Colorimeter model 260	
CO/45120	Filter, Gelatin 430nm	
CO/45122	Filter, Gelatin 470nm	
CO/45124	Filter, Gelatin 490nm	
CO/45126	Filter, Gelatin 520nm	
CO/45128	Filter, Gelatin 540nm	
CO/45130	Filter, Gelatin 580nm	
CO/45132	Filter, Gelatin 600nm	
CO/45134	Filter, Gelatin 710nm	
CO/45010	Gelatin filters, set of 8 430, 470, 490, 520, 540, 580, 600 and 710nm	1
CO/45012	Interference filters 405nm	1
CO/45014	Interference filters 510nm	1
CO/45016	Interference filters 546nm	1
CO/45018	Interference filters 600nm	1
CO/45020	Interference filters 660nm	1
CO/45022	Interference filters 680nm	1
CO/45026	Test tubes matched, small	12
CO/45028	Test tubes matched, medium	12
CO/45030	Test tubes matched, large	12
CO/45032	Cuvettes plastic disposable, 10mm	100
CO/45034	Cuvettes, plastic disposable, 10mm	1000
CO/45052	Cuvette holder, 10mm & large test tube	1