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Челябинск (351)202-03-61
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Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

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Model 260UV Programmable Colorimeter



Product Overview

The Model 260UV Colorimeter analyses in the near UV and visible wavelength regions and incorporates full programmability allowing up to 100 methods to be installed and stored by the operator. This permits semi-automatic operation; the user need only insert the prompted wavelength filter. RS232 output allows use of a serial printer and each result, blank and calibration is time stamped. The Model 260UV offers:

For enzymatic reactions studied at 37°C samples should be thermostated using external temperature control by means of solid block heating or water bath. The software built in to the Model 260UV includes the setting of incubation (or lag) time and measuring time. Towards the end of these times, the user is alerted to return the cuvettes containing the blank, sample or calibrant to the Colorimeter by means of a buzzer. The relevant reading is taken, and the cuvette then returned to the heating block to complete the rest of the test.

Sherwood Scientific Ltd has also developed an electrically heated cuvette holder (267 86 001) designed specifically for micro-cuvettes (001 26 120). This can maintain the temperature to 37°C ± 0.1°C whilst a sample is hosted within the colorimeter for measurements and is supplied as standard with a new Model 260UV Colorimeter

Highlights

- Operation in Near UV & Visible Wavelength region
- Absorbance and %Transmission measurements with Auto-Zero
- Concentration with Standard Solutions or Factor
- Kinetic Reaction Rate and End Point methods
- Up to 100 methods can be installed and stored
- Can be powered from a 12V car battery for use in locations where the power supply cannot always be relied upon

Instrument Model	M260UV
Part Number	260 00 109
Wavelength Range	325 – 750nm
Wavelength Selection	Drop-in Filters
Bandpass	Polyester 40nm or Interference 6–10nm
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 2.999
Absorbance Resolution	0.001 up to 1.5 Abs, 0.01 from 1.5 to 2 Abs, 0.1 from 2 to 2.9 Abs
Transmission Range	0-100%T
Transmission Resolution	0.1%
Stability	< ± 0.005A in any 15 min period
Warm up	15 minutes
Photometric Reproducibility	± 1%T using same cuvette or test tube
Light Source	Glass Halogen Lamp
Detector	Silicon Photo Diode
RS232 Output	Yes
Size and weight	218L x 230W x 188H mm 2.2Kg net

Power Requirements	90-264 VAC Auto-ranging or 12 V DC Battery
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