

Product Name :
Nauga Lab Microprocessor Photo Colorimeter

Product Code :
NLAB-LABORATORYEM14001



Description :

Nauga Lab Microprocessor Photo Colorimeter

Technical Specification :

Microprocessor Photo Colorimeter is a compact and easy to operate instrument for Photo Colorimeter analysis of any concentration.

The output is available on a 16 x 2 line alphanumeric backlit LCD display in terms of %Transmission (%T), Absorbance (Abs.), Concentration (Conc.) and K Factor.

This instrument has 100 sample storage memory and printer output facility for printing data with any dot matrix printer.

The use of microcontroller has made it extremely versatile and accurate instrument.

10 mm path length matched test tubes are used for sample and blank.

Facility has been provided to store the last K Factor and the standard concentration value.

User can also enter any known 'Factor' for a test, thereby eliminating the need to re-run the standards again and again.

The use of high class standard wide range glass filters covering 400 to 700 nm give extremely good results.

The filter setting is controlled by a rotating disc having 8 filters.

An automatic shutter is provided to stop the light reaching the photocell, when test tube is not inserted in the tube holder.

This increases the life of photocell tremendously.

Specifications:-

Wavelength Range
400-700 nm

Resolution 0.01, Conc.: 0.01, K Factor: 0.01

Photometric Range 1.99,
Conc.: 0 - 1999, K Factor: 0 - 1999

Detector Large Silicon Photodiode/Photocell

Display 1 line alphanumeric backlit LCD display

Keyboard Membrane Keys

Data Storage 100 samples (0 - 99)

Light Source Tungsten Lamp

Sample System 10 mm matched glass test tube

Filters 450, 490, 520, 540, 570, 620, 680 nm

Printer Interface Parallel Printer interface for Dot Matrix Printer

Serial Interface RS-232C interface (optional available on request)

Power $\pm 10\%$ AC, 50 Hz

Dimensions 240x250x90 mm (Approx.)

(L x B x H)

Weight (Approx.)

Accessories 1. Tube: A set of 5, Spare Lamp,
Mains Lead, Operation Manual and
Dust Cover.

Naugralabequipments

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