

**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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