

# Microprocessor Photo Colorimeter

1311 & 1313



1 Year  
Warranty

- % Transmission and Absorbance Modes
- Auto Zeroing Facility
- Highly Accurate & Stable
- Range 400 to 700 nm
- Soft Touch Membrane Keys

$\mu$ P PHOTO COLORIMETER MODEL 1311 is a compact and easy to operate instrument for colorimetric analysis of a solution of any concentration. Output is available in terms of % Transmission (%T) & Absorbance (Abs). The instrument has the facility for auto zeroing of Abs. and setting 100% T.

In  $\mu$ P PHOTO COLORIMETER MODEL 1313 Output is available in terms of % Transmission (%T), Absorbance (Abs.), Concentration (Conc.) and K-factor.

The use of Microcontroller has made it extremely versatile and state of the art instrument. 10 mm path length matched test tubes are used to contain sample and blank. Min sample volume is 1ml. These instruments include a wide range of filters covering wavelength from 400 to 700 nm in the form of in-built filters. The filter setting is controlled by a rotating disc. An in-built shutter control is provided to avoid fatigue of photodiode.

## Microprocessor Photo Colorimeter

### Technical Data

|                                   |   |                                       |
|-----------------------------------|---|---------------------------------------|
| MODEL                             | 1311  | 1313                                  |
| WAVE LENGTH RANGE                 | 400 to 700nm  |                                       |
| DISPLAY                           | 3 Digit 7 Segment Red LED Display   |                                       |
| PHOTODIODE                        | Silicon Photodiode / Photo Cell   |                                       |
| RESOLUTION                        | 1% T, 0.01 Abs.,  | 1% T, 0.01 Abs., Conc. 1, K Factor 1. |
| TRANSMITTANCE (%T)                | 0-100%  | 0-100%                                |
| ABSORBANCE                        | 0-1.99 A  | 0-1.99 A.                             |
| CONCENTRATION                     | -   | 1.0-999                               |
| K FACTOR                          | -   | 1.0-999                               |
| KEY BOARD(SOFT TOUCH MEMBER TYPE) | 2 Keys,   | 3 Keys,                               |
| AUTOZEROING                       | Available   | Available                             |
| LIGHT SOURCE                      | 6.3 V 0.3 amp Tungsten Lamp   |                                       |
| SOLUTION VOLUME                   | 1ml (Minimum)   |                                       |
| SAMPLE SYSTEM                     | 10mm path length matched glass test tubes                                   |                                       |
| OPTICAL FILTERS                   | 8 filter mounted on the turret<br>400, 450, 490, 520, 540, 570, 620, 680 nm |                                       |
| WEIGHT                            | 2½ Kg. Approx.  |                                       |
| POWER SUPPLY                      | 230 VAC to $\pm$ 10% 50Hz. With in - built stabilizer                       |                                       |
| ACCESSORIES                       | Spare Lamp, Test Tubes set (Matched),<br>Dust Cover, Instruction Manual     |                                       |

### Product Range

Semi Auto Analyser, Single Beam and double Beam UV/VIS Spectrophotometer, Flame Photometers, Haemoglobin Meter, Digital pH, Meter, Digital Photo Fluorometer, Digital Conductivity Meter, Digital Photo Colorimeter, Turbidity Meter, Auto KF Titrimer, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Temperature Indicator, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Digital Tablet Disintegration Apparatus, Digital Friability Test Apparatus Tablet Dissolution Test Apparatus, Melting Point Apparatus, Student Microscope, Binocular microscope, Medical Microscope, Co-Axial Microscope.

Note:- Packaging in shock proof Styrofoam packing inside an attractive and thick plywood storage box