

# Photo Colorimeter Colorimeter

312, 313, 321, 322



## Features

- 1ml sample volume
- Range from 400 to 700nm
- Highly Stable & Accurate
- Battery/Mains operated Colorimeter also Available

1 Year  
Warranty

Digital Photo Colorimeters Models 312/313 are the finest colorimeters that combine convenience in operation with high precision & accuracy of Absorbance analysis.

Filter Photo Colorimeters Models 321/322 are also available. These analog colorimeters give results in the form of Abs. and %T.

High standard glass filters covering 400-700 nm are mounted on a rotating disc. Highly sensitive photo sensor and use of latest IC technology makes the instruments highly rugged. A minimum sample volume of 1ml is used. In-built shutter increases the life of the photocell. It is extremely useful for blood chemistries in chemical /clinical labs., pharmaceutical industries, medicine plants, water treatment plants, agricultural universities etc.



## Photo Colorimeter

### Technical Data

| MODEL                           | 312/313<br>DIGITAL   | 321/322<br>ANALOG          |
|---------------------------------|--|----------------------------|
| HIGH STD. GLASS<br>FILTERS      | 312 - 8<br>313 - 5   | 321 - 8<br>322 - 5         |
| MINIMUM VOLUME                  | 1 ml   | 1 ml                       |
| DISPLAY                         | 2 ½ digit LED  | Analog Meter               |
| RANGE                           | 400 to 700 nm  | 400 to 700 nm              |
| OUTPUT                          | OD : 0 to 1.99   | OD: 0 to 1.99, %T: 0 - 100 |
| RESOLUTION                      | OD : 0.01  | OD : 0.01, %T : 1          |
| ACCURACY                        | 0.5% FS ±1 Digit   | 2% FS ±1 Digit             |
| DETECTOR                        | Photo Cell/Photo Diode   | Photo Cell/Photo Diode     |
| LIGHT SOURCE<br>(TUNGSTON LAMP) | 6.8 V, 300 mA  | 6.8 V, 300 mA              |
| POWER                           | 230 V ± 10% AC, 50Hz   | 230 V ± 10% AC, 50Hz       |
| DIMENSIONS                      | 195 X 235 X 105 mm   | 245 X 245 X 110 mm         |
| WEIGHT                          | 2 Kgs. (Approx.)   | 3 Kgs. (Approx.)           |
| FILTERS                         | 8 filters - 400 450 490 520 540 570 620 680 nm<br>5 filters - 450 490 540 620 680 nm |                            |
| ACCESSORIES                     | Test Tube Set of 5, Spare Light Source, Dust Cover,<br>Instruction Manual.           |                            |

All these colorimeters can be supplied in Battery cum mains operation at little additional cost.

### 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 Titrimeter, 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.