

Microprocessor PHOTO COLORIMETER

1312



1 Year
Warranty

- Highly Accurate & Stable
- Range 400 To 700nm
- 16x2 Line Alphanumeric LCD Display
- Printer Attachment Facility
- Storage For 100 Samples
- Soft Touch Membrane Keys

Microprocessor Photo Colorimeter Model 1312 is a compact and easy to operate instrument for Photo Colorimetric analysis of a solution of any concentration. The output is available on 16x2 Line 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. 10mm 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 test, thereby elimination the need to re-run standards again & 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





MICROPROCESSOR PHOTO COLORIMETER

Technical Data

MODEL	1312
WAVE LENGTH RANGE	400 to 700nm
RESOLUTION	1% T, 0.01 Abs., 1 Conc., 1 K Factor
% TRANSMISSION	0 - 100% T
ABSORBANCE	0 - 1.99 A
CONCENTRATION	0- 19999
K FACTOR	1 - 19999
PHOTO DETECTOR	Silicon Photodiode/Photo Cell
DISPLAY	16x2 line alphanumeric LCD display with backlit for %T, Abs., Conc., K Factor
KEYBOARD	8 Keys, soft touch membrane type
DATA STORAGE	Upto 100 samples
LIGHT SOURCE	6.8V, 0.3Amp. Tungsten Lamp
SAMPLE SYSTEM	10 mm path length matched glass test tubes
FILTERS	400, 450, 490, 520, 540, 570, 620, 680nm
PRINTER INTERFACE	Centronics Parallel Printer interface for any dot matrix printer
RS232C INTERFACE	Available (on request)
DIMENSIONS	240x254x90 mm (LxBxH)
WEIGHT	2.5 Kg. (Approx.)
POWER SUPPLY	230V AC \pm 10% 50Hz. with in-built stabilizer
ACCESSORIES	Matched Test Tube Set of 5, Operation Manual, Dust Cover, Spare Lamp

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, 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 Apparatus, Student Microscope, Binocular microscope, Medical Microscope, Co-Axial Microscope.

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

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AND SCIENTIFIC
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AN ISO 9001 : 2000 CERTIFIED CO.

