



PHOTOELECTRIC COLORIMETER-112

- %T & ABS (O.D.)
- 1ml Sample volume
- Display : 3 Digit LED
- Eight filters on a turret to cover 400-700 nm.



PHOTOELECTRIC COLORIMETER-115

- %T, ABS, CONC and K-factor
- 1ml Sample volume
- Display : LCD 2 Line 16 Character
- Eight filters on a turret to cover 400-700 nm.

SYSTRONICS (INDIA) LIMITED (SYSTRONICS DIVISION)

Works : 89-92, Industrial Area, Naroda, Ahmedabad - 382 330. Gujarat, INDIA.
Phones : (079) 22813017 / 22813117, Fax : (079) 22821592,

Regd. Office : B/116-129, Supath-II Complex,
Near Juna Wadaj Bus Terminus, Ashram Road, Ahmedabad-380 013.
Ph. : 079-27557072, 27556077, Fax : 079-27552902

Email : sales@systronicsindia.com • mktg@systronicsindia.com
Website : www.systronicsindia.com

MANUFACTURERS OF ELECTRONIC INSTRUMENTS AND SCIENTIFIC EQUIPMENTS.

BRANCH ADDRESS :

BRANCHES AT : BENGALURU, BHOPAL, BHUBANESHWAR,
CHANDIGARH, CHENNAI, GUWAHATI, HYDERABAD, JAIPUR, KOLKATA,
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SYSTRONICS Photoelectric Colorimeters 112 & 115 are versatile models which can effectively serve both the Chemical and the Clinical groups in fields such as Biochemistry, Agriculture, Veterinary, Dyestuff & Pharmaceutical. They can measure Percentage Transmittance (%T) and Absorbance (Abs). Improved optics enable measurement with only 1ml solution. A wide range of wavelength, 400 to 700 nm, is covered with the help of 8 optical filters mounted on a turret.

Additional features of 115 are measurement of concentration (Conc), K-Factor & accuracy to 3 decimals.

SPECIFICATIONS	115	112
Wavelength Range	400-700 nm with 8 optical filters	400 nm to 700 nm with 8 optical filters
Filter's peak wavelength (typical)	420 nm, 440 nm, 490 nm, 520 nm, 540 nm, 570 nm, 600 nm, 700 nm.	420 nm, 440 nm, 490 nm, 520 nm, 540 nm, 570 nm, 600 nm, 700 nm.
Measuring Modes	%T, Abs, Conc & K-factor	%T & Abs
Photometric Resolution	0.1% T, 0.001 Abs upto 1.999 Abs (O.D.)	1% T & 0.01 in Abs upto 1.99 Abs (O.D.)
Display	2 Line 16 Character LCD	3-Digit LED
K-Factor Range	0 to 1999	
Concentration	0 to 2 times the absorbance	
Memory	Data can be Stored in memory	
Sample Volume	1ml in 4ml Test tube/Cuvette	1ml in 4ml Test tube
Source	White LED	White LED
Detector	Hermetically Sealed photodiode	Hermetically Sealed photodiode
Printer Port	Epson compatible 80 column D.M. Printer	
Power	230V \pm 10%, 50 Hz	230V \pm 10%, 50 Hz
Dimension	160 (W) X 200 (D) X 100 (H) mm	160 (W) X 200 (D) X 100 (H) mm
Weight	1.5 Kg (Approx)	1.5 Kg (Approx)
Accessories	a) Four test tubes b) Two Glass Cuvettes	a) Four test tubes



115 / 112 use 8 filters with these characteristics

FILTER	PEAK (nm)	PASSBAND (nm)	COLOUR
	420	380-510	Violet
	440	400-530	Blue
	490	460-540	Blue/Green
	520	490-560	Green
	540	510-590	Green/Yellow
	570	570-590	Yellow
	600	570-700	Orange
	720 and above	630 and above	Red and above



*Technical Specifications, Appearance & model number are subject to change without prior notice in keeping up with the state of art.