



SPECTROPHOTOMETERS

106



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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 SPECTROPHOTOMETERS 106 & 166 are a set of **micro controller** based having facility in accuracy, reliability and time saving. Wide spectral coverage and high resolution is achieved by using a powerful light source and a grating-based monochromator. A conveniently placed control enables the user to quickly orient the grating to provide monochromatic light of desired wavelength. The electronic processing circuits and power supplies are solid-state/LSI-based to ensure high accuracy, stability and long life. Two different models, catering to the varying needs of end-users are presented here.

SPECIFICATIONS	106	166
Wavelength	340 to 960 nm	340 to 990 nm
Absorbance Range	-0.3 to 2.500 Abs	-0.3 to 2.500 Abs
Spectral Bandwidth	5 nm	5 nm
Wavelength Resolution	5 nm	1 nm
Wavelength Display	Dial	3 Digit Digital
Wavelength Accuracy	±5 nm	±2 nm
Photometric Resolution	0.1%T	0.1%T
Photometric Accuracy	±0.005 Abs at 1Abs	±0.005 Abs at 1Abs
Modes	%T, Abs, Concentration & Factor	%T, Abs, Concentration & Factor
Concentration	0.000 to 9999 with floating Decimal point	0.000 to 9999 with floating Decimal point
K factor	0.000 to 9999 with floating Decimal point	0.000 to 9999 with floating Decimal point
Photometric Readout	4 Digit LED Display	4 Digit LED Display
0 & 100%T Setting	Manual	Manual
Grating	600 lines/mm	600 lines/mm
Detector	Si-Photo- Diode	Si-Photo- Diode
Source	Halogen Lamp	Halogen Lamp
Sample holder	10mm path length, Two Position Manual Sample Changer	10mm path length, Two Position Manual Sample Changer
Power	230V ±10%, 50Hz	230V ±10%, 50Hz
Dimension	420(W) X 310(D) X 125(H) mm	420(W) X 310(D) X 125(H) mm
Weight	6.5 Kg (Approx)	6.5 Kg (Approx)
Accessories	Two Glass Cuvettes	Two Glass Cuvettes
Optional Accessories	Single Position 20/50 mm Cuvette Holder (Factory Installed)	Single Position 20/50 mm Cuvette Holder (Factory Installed)

Note : **Systronics** also offers

- Visible Spectrophotometer-169
- Visible Scanning Spectrophotometer-167 & 1203
- UV-Visible Spectrophotometer-108 & 118
- UV-Visible Scanning Spectrophotometer-117, 119, 2201, 2202, 2203 & 2205



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