



## DIGITAL SPECTROPHOTOMETER 104

## DIGITAL SPECTROPHOTOMETER 105



Micro-controller Based



Manual

### **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,  
LUCKNOW, MUMBAI, NEW DELHI, PATNA & THIRUVANANTHAPURAM.



## DIGITAL SPECTROPHOTOMETER 104



## DIGITAL SPECTROPHOTOMETER 105



**SYSTRONICS VISIBLE SPECTRO-104-105** sets new standards in accuracy and reliability. 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.

SPECIFICATIONS	104	105
<b>Wavelength Range</b>	340 to 960 nm	340 to 960 nm
<b>Wavelength Accuracy</b>	±5 nm	±5 nm
<b>Wavelength Readout</b>	5 nm	5 nm
<b>Wavelength Display</b>	Dial	Dial
<b>Spectral Bandwidth</b>	10 nm	10 nm
<b>Photometric Accuracy</b>	±0.005 Abs at 1.000 Abs	±0.005 Abs at 1.000 Abs
<b>Photometric Resolution</b>	0.1%T, 0.001 Abs	0.1%T, 0.001 Abs
<b>Photometric Readout</b>	4 digit Seven Segment LED	4 digit Seven Segment LED
<b>Grating</b>	600 lines/mm	600 lines/mm
<b>Source</b>	Tungsten halogen lamp	Tungsten halogen lamp
<b>Detector</b>	Wide Range Silicon Photodiode	Wide Range Silicon Photodiode
<b>Sample Holder</b>	Single position 10 mm cuvette holder	Single position 10 mm cuvette holder
<b>Min. Sample Volume</b>	1 ml in 4 ml cuvette	1 ml in 4 ml cuvette
<b>Measuring Mode</b>	Auto a) %Transmittance b) Absorbance c) Concentration	Manual a) %Transmittance b) Absorbance c) Concentration
<b>Power</b>	230V, ±10%, 50Hz	230V, ±10%, 50Hz
<b>Dimension</b>	420(W) X 310(D) X 125(H) mm	420(W) X 310(D) X 125(H) mm
<b>Weight</b>	6.5 Kg (Approx)	6.5 Kg (Approx)
<b>Accessories</b>	Two Glass Cuvettes	Two Glass Cuvettes
<b>Optional Accessories</b>	Single Position 20/50 mm Cuvette Holder (Factory Installed)	Single Position 20/50 mm Cuvette Holder (Factory Installed)

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