



VISISCAN-167



- Micro-controller based
- Single Beam Optics
- Band width 5 nm
- 2 Line 20 Characters LCD Display

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.

S P E C I F I C A T I O N S



340NM

999NM

2 LINE

20 CHARACTERS

VISISCAN-167

WAVELENGTH

Range	340 to 999 nm
Accuracy	±2.0 nm
Readout	1 nm step
Bandwidth	5.0 nm

PHOTOMETRIC

Range	-0.04 to 2.5 Abs
Accuracy	±0.005 Abs at 1.0 Abs
Repeatability	±0.005 Abs
Resolution	0.1 in %T mode, 0.001 Abs in Abs mode
Digital Readout	2 line 20 characters LCD
Drift	±0.003 Abs/hour at 500 nm
Baseline Flatness	±0.005 Abs
Stray Light	Less than 0.3%T at 370 nm

GRATING 600 lines/mm

SOURCE Tungsten-Halogen lamp

DETECTOR Silicon Photodiode

SAMPLE HOLDER Two-position manual sample changer or factory installed single position holder for 20 mm / 50 mm (Max) path length cell.

MINIMUM. VOLUME 1 ml in 4 ml cuvette

0,100%T, ORDER

CUTOFF SETTING Automatic

OPERATING MODES

- i) Single Wavelength
- ii) Multi Wavelength (max 6)
- iii) Scan

MEASURING MODES

- i) Absorbance
- ii) %Transmittance
- iii) Concentration (with factor and curve fitting)

K-Factor Range 0.100 to 9999 with floating Decimal point

Concentration Range 0.100 to 9999 with floating Decimal point

DATA PROCESSING

- 1) Peak Pick (6 peaks in Abs value)
- 2) Spectrum printout (on Epson compatible Dot Matrix printer)

DATA PRESENTATION

Display 2 line 20 char. Alphanumeric LCD

Hard Copy On printer (Graph and Data both)

PRINTER PORT Epson compatible 80 Column Dot Matrix

RS 232 PORT PC Link data transfer

POWER 230V ±10%, 50 Hz

DIMENSIONS 420 (W) X 310 (D) X 125 (H) mm

WEIGHT 6.5 kg (Approx)

ACCESSORIES 2 matched 10 mm path length Glass cuvettes

OPTIONAL ACCESSORIES

- 4 -Position automatic sample changer for 10 mm cuvettes
- Holder for 50 mm cylindrical and rectangular Cuvettes
- Epson compatible 80 column D.M. Printer
- Standard RS 232 interface for Window based PC link Software for Spectrum Display, Storage / Retrieve, Peak -Pick, Point - Pick, 1st to 4th Derivatives, Zoom, Averaging / Subtraction of Two Scans

Note : Systronics also offers

Visible D. B. Scanning Spectrophotometer-1203

UV-Visible Spectrophotometer-108 & 118

UV-Visible Scanning Spectrophotometer-117 & 119

UV-Visible D. B. Scanning Spectrophotometer- 2201,

2202, 2203 & 2205

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