



# 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

VISSCAN-167

2 LINE

20 CHARACTERS

## 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, 1<sup>st</sup> to 4<sup>th</sup> 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.