SYSTRONICS SPECTROPHOTOMETERS 169 is a micro controller based new standard 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, catering to the varying needs of end-users.

SALIENT FEATURES FOR 169

- Micro-controller based operation.
- 5nm Bandwidth.
- 4 modes of measurement : %T, ABS, Concentration and K factor.
- Single soft touch key for Zero & 100% T setting.
- K factor range 0.000-9999 with floating decimal point.
- Concentration range 0.000-9999 with floating decimal point.
- Absorbance range -0.3 to 2.5 Abs.
- SMPS based power supply.
- Printer interface - optional.
- RS 232 interface - optional.
- With PC various Data analysis features like :
  Data store/recall and printing, Concentration software
  for non-linear curve fitting, Time-scan facility.

SPECIFICATIONS	169
Wavelength	**320-990nm**
Absorbance Range	-0.3 to 2.500 Abs.
Spectral Bandwidth	5nm
Wavelength Resolution	1nm
Wavelength Display	Digital
Wavelength Accuracy	±2nm
Photometric Resolution	0.1%T
Photometric Accuracy at 1 Abs.	±0.005 Abs.
Modes	%T, Abs., Concentration & Factor
Concentration	0.000 to 9999 with floating Decimal point
K factor	0.000 to 9999 with floating Decimal point
Photometric Readout	4 Digit LED Display
0 & 100%T Setting	**Auto**
Grating	600 lines/mm
Detector	Si-Photo-Diode
Source	Halogen Lamp 12V-50W
Sample holder	10mm path length, Two Position Manual Sample Changer
Power (SMPS)	230V±10% 50Hz
Printer	**Printer Port for 80 Column DMP**
Optional	20mm/50mm Single Position Factory Installed Holder
	For Computer attachment RS 232 interface port

Note : **Systronics** also offers
- Visible Scanning Spectrophotometer type167
- UV-Visible Spectrophotometer type 108 & 118
- UV-Visible Scanning Spectrophotometer type117, 119, 2201 & 2202

Grace - 562 0436

Specifications & model number subject to change in keeping with the state of art.