

Type: SPV -72
SPUV-19

UV/VIS split beam Spectrophotometer



The Visible and UV-VIS single beam spectrophotometers present a new generation of technology and offer our client's a high quality measuring systems at a very competitive price.

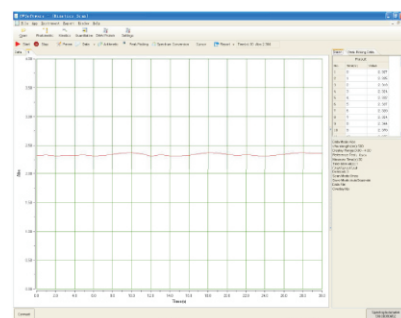
Wavelength range 320~1100nm (SPV-72)
 190~1100nm (SPUV-19)

2nm bandwidth
Printer port and USB port

Complete with 16 glass cells, 1 filter for calibration; PC software

Features:

- Microprocessor control, 16×2 LCD display
- Auto zero and auto 100%T adjustment provided
- Calibration curve can be set up by either measuring or entering
- up to 10 standards or entering K and B factors directly via the keyboard
- Parameters can be saved for later use.
- Up to 10 calibration curves can be stored and edited for user's convenience
- Data can be printed on an optional desktop printer and can be downloaded to a PC through RS-232
- PC control provided for more accurate and flexible measurement requirements (optional)
- Auto-wavelength control (optional)



Specifications:

Model	SPV-72	SPUV-19
Wavelength Range	320 ~ 1100nm	190 ~ 1100nm
Wavelength Accuracy	±2.0nm	±2.0nm
Wavelength Reproducibility	1nm	1nm
Monochromator	Single-beam, C-T type, grating 1200L/mm	Single-beam, C-T type, grating 1200L/mm
Photometric accuracy	±0.5%T	±0.5%T
Photometric Reproducibility	0.3%T	0.3%T
Stray Light	0.1%T (NaNO ₂ at 340nm)	0.1%T (NaI at 220nm, NaNO ₂ at 340nm)
Spectral bandwidth	2nm (1, 4, 5nm optional)	2nm (1, 4, 5nm optional)
0%T stability	0.2%T (30min)	0.2%T (30min)
100%T stability	0.001A/30min (at 500 nm, after warming up)	0.001A/30min (at 500 nm, after warming up)
Operation mode	T, A, C, E	T, A, C, E
Photometric range	-0.3~3A	-0.3~3A
Display	16x2 LCD	16x2 LCD
Detector	Silicon Photodiode	Silicon Photodiode
Light source	Tungsten halogen lamp	Tungsten halogen lamp, D ₂ Lamp
Power Requirement	220/110V, 50/60Hz	220/110V, 50/60Hz
Power consumption	100W	120W
Dimensions	530 × 410 × 210 mm	530 × 410 × 210 mm
Net weight	15kg	16kg
Order No.	0.565.100	0.565.300



Options:

Article No.	Description:
0.565.701	Mini-printer
0.565.702	HP LaserJet compatible laser printer
0.565.703	Compatible laser printer PCL5e
0.565.704	PC work-station w. TFT screen
0.565.705	Tungsten lamp with socket, 12V / 20W (for SPV-72 / SPUV-19)
0.565.706	Deuterium lamp with socket, DD2.5 (for SPUV-19)
0.565.708	Peltier temperature control system
0.565.709	Flow through system (Flow through cell and peristaltic pump)
0.565.710	Film Holder
0.565.711	100mm cell holder
Cuvette	- on request -



Contact

Address: S C O - Tech
Auf der Heide 15
D-37351 Dingelstädt
Federal Republic of Germany

Phon: +49 (0) 36075 / 439 306
Fax: +49 (0) 36075 / 439 309
E-mail: sco@sco-tech.com
Internet: www.sco-tech.com