

CIRRUS 80PR SPECTROPHOTOMETER

Main Specifications



Automatic UV-VIS Scanning 190 to 1100 nm, bandwidth less than 1,8 nm and stand alone

Wavelength increments in 0,1 nm

Printer: graphic, thermal, 203 dpi, 58 mm (paper width)

Graphic display: 128 x 64 pixels, with backlight

Monochromator: Wadsworth; diffraction grating: 1200 lines/mm

5 Optical filters with automatic change

Wavelength accuracy: +/- 1 nm between 190 to 400 nm and +/- 2 nm between 401 to 1100 nm

Stray light: 0,1%T at 220 and 340 nm

Scanning speed: 325 nm/min (interval: 5 nm)

Detector: silicon photodiode

Photometric range: Absorbance: -0,3 to 3,0 Abs

Transmittance: 0 to 200% T

Photometric accuracy: 0,005 Abs from 0,0 to 0,3 Abs

Photometric noise: 0,002 Abs at 0,0 Abs

Drift: 0,003 Abs/hour

Keyboard: 30 alphanumeric keys and more 4 function keys

Lamp: tungsten-halogen 2000 hours and Deuterium 1000 hours.

Interface: Serial RS 232C

Power requirements: 117 / 220 V (+/- 10%) manual selection of voltage; 50/60 Hz; 150 VA

Dimensions: 35 W x 44 D x 20 H (cm)

Net Weight: 9 Kg

Total Weight: 13 Kg

Manual and display: Portuguese, Spanish and English

Software: FEMWL 80PR-R1

- Bandwidth checking with toluene in hexane Standard solution (toluene in hexane Standard solution not included)
- Graph of Absorbance x Wavelength
- Graph of Linear regression
- Can store up to 203 methods (3 defined methods and new 200 methods can be created)
- Can store the last 500 results
- Upload results via serial interface to PC (Microsoft-HyperTerminal - Windows XP)

Standard Accessories

10 Thermal paper bobbins for printer

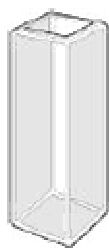
1 Dust Cover

1 Main power cable

1 CD - Installation and Operation Manual

Optional Accessories Or Spare Parts

Description	Code
Kit of 10 thermal paper rolls for printer	50.009
W lamp in holder pre calibrated	50.001
Deuterium lamp L2D2 2.000 hours	10.265
Quartz ultra micro 50 μ l cell 10 mm path length	10.263
Quartz, square cell 10 mm path length	10.034
Plastic ultra micro volume 75 μ L cell, 10 mm path length; wavelength range 220 – 900 nm	10.243
Kit Toluene in hexane	10.266
Serial converter cable / USB	00.971



10.034



10.243



10.263

Subject to change without notice
Illustrations do not represent the actual size