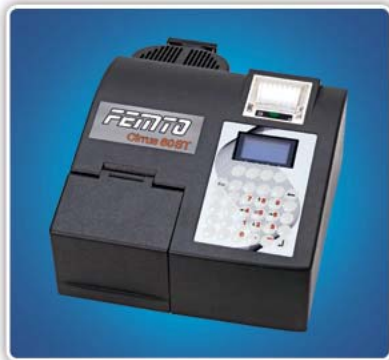


CIRRUS 60 SPECTROPHOTOMETER**Main Specifications**

Automatic VIS Scanning, stand alone
Wavelength range: 325 to 1100 nm
Spectral bandwidth: 2 nm
Wavelength increments in 0,1 nm
Detector: silicon photodiode
Graphic display: 128 x 64 pixels, with backlight
Monochromator: Wadsworth; diffraction grating: 1200 lines/mm
5 Optical filters with automatic change
Wavelength accuracy: +/- 2 nm from 401 to 1100 nm
Stray light: 0,1%T at 340 nm
Scanning speed: 325 nm/min (interval: 5 nm)
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

Interface: Serial RS 232C

Power requirements: 90 ~240 V (+/- 10%) automatic selection of voltage; 50/60 Hz; 120 VA

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

Net Weight: 8 Kg

Total Weight: 12 Kg

Manual and display: Portuguese, Spanish and English

Software: FEMWL 60-R1

- Abs difference with 2 wavelengths (up to 12 standards)
- Multi wavelength: Abs ratio; Abs difference, 2 or 3 wavelengths
- Measurement of bacteria cells at 600 nm
- Graph of Absorbance x Wavelength
- Graph of Linear and cubic regression
- KINETIC (timescan - graph of Abs x time; dA/min ; lecture of Standards Absorbance in 2 times :start and final)
- Upload results via serial interface to PC (Microsoft-HyperTerminal - Windows XP)
- Can store up to 208 methods (8 defined methods and new 200 methods can be created)
- Can store the last 500 results

Standard Accessories

1 Dust Cover

1 Main power cable

1 CD - Installation and Operation Manual

** Not attached graphic printer*

Optional accessories or spare parts

Description	Code
Thermal graphic printer	10.254
W lamp in holder pre calibrated	50.001
Optical glass, square cell, 10 mm path length, volume 3,5 mL	10.033
Optical glass, square cell, 10 mm path length, volume 700 μ L	10.133
Continuous flow system with square flow cell 10mm and peristaltic pump	FC
Gravity flow system with cylindrical 10mm cell with flow funnel and Mohr clamp	FG
Serial converter cable / USB	00.971



10.033



10.133



Cell for Gravity Flow



Cell and pump for Continuous Flow

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