Halo SB-10

UV / Visible Single Beam Spectrophotometer

The Halo SB-10 single beam spectrophotometer combines exceptional value with precision spectrophotometry in an uncomplicated package.

Spectral Features

The Halo SB-10 can achieve a 2 nm spectral band pass for superior spectra and peak resolution with its single beam optics.

Other specifications include a wavelength accuracy of ±0.5nm, baseline stability ±0.002Abs/hr (500nm) and stray light ≤0.05%T (220nm NaI, 340nm $NaNO_2$).

Photometry

Perform quantitative analyses in either absorbance or transmittance modes and in single wavelengths within a wavelength range of 190-1100nm.

Dual Lamp Advantage

By virtue of the halogen tungsten and deuterium lamps typically found in higher end, analytical spectrophotometers the Halo SB-10s wavelength range is an impressive 190nm – 1,100nm. Furthermore a dual lamp system results in higher accuracy than corresponding xenon lamps. Lamp switching is automatic (by default at 340nm) and both lamps are long life.

Validation Functions

To ensure optimum instrument performance, a self-diagnostic function incorporating a number of parameters is executed each time the Halo SB-10 is switched on. Furthermore the internal memory can store up to 200 calibration curve data.

Stand alone or PC Operation

The SB-10 is easy to use in stand alone mode. For advance function including multiple wavelength analysis, spectrum scanning and DNA/protein analysis, the optional UV detective for SB-10 can be installed on a computer to control the SB-10 and extend its function further.

4 Sample Cuvette Holder

A 4 cuvette capacity holder is supplied as standard. Measurement can be expedited by inserting the 4 cuvettes in tandem and manually sliding the holder forwards or backwards to select the appropriate cuvette for measurement.

Dynamica

HALO SB-10 SPECIFICATIONS	
Optics	Single Beam Principle
Wavelength Range	190nm -1,100 nm
Spectral Bandwidth	2nm
Measurement Modes	Abs, %T, E(S)
Stray Light	<0.05% (220nm NaI, 340nm $NaNO_2$)
Wavelength Accuracy	±0.5nm
Photometric Range	Absorbance: -3 to +3 %T: 0% to 300%
Baseline Stability	±0.002 Abs/hr (500nm)
Light Source	Tungsten-Halogen and Deuterium Lamps
Light Source Switching	Automatic switching at 340nm
Display	Back-lit LCD 94(W) x 70(H) mm
Dimensions	470(W) x 370(D) x 180(H) mm
Net Weight	20Kg
Gross Weight	25Kg
Power Requirements	220 V selectable, 50/60Hz

SB-10 Ordering Information

PRODUCT	CATALOG NUMBER#
Halo SB-10 UV-Visible Single Beam Spectrophotometer 220 V, 50/60Hz	SB-10-220
UV Detective for SB-10	UVDS-SB-10

Distributed and Supported in the Uk by:

www.camlab.co.uk
camlab

24 Norman Way Industrial Estate, Over, Cambridge, CB24 5WE
Tel: +44(0)1954 233 100 Fax: +44(0)1954 233 101
Email: sales@camlab.co.uk Web: www.camlab.co.uk