

## Halo XB-10 / VIS-20

UV / Visible and Visible Touch Screen Spectrophotometer



The Halo XB-10 and VIS-20 are high quality, touch screen operation, compact measurement systems for daily analysis in education, quality control and basic research.

### Compact Optics with Full Range Scanning

The single beam optics are compact and bench space saving. The long life Xenon lamp optics system in XB-10 ensures a quick and reliable performance, whereas Tungsten Halogen lamp used in VIS-20 also provides a stable measurement.

### Color Touch Screen Operation

The intuitive color touch screen operation provides simple access to extensive range of function. The touch screen is sensitive to stylus or gloves on. Icon driven on board software improves accessibility and graphical display allows spectrum or standard curve show on screen. The forward and backward quick key allows user to proceed or return the process swiftly. An enlarged data display for photometry measurement makes result reading easier.

### Various Measurement Modes

Operation mode includes photometric, multiple wavelength analysis, spectrum scanning, time scan, kinetics and direct concentration results.

### Optional Accessories

Variety choice of accessories included: test tube holder, flow cell with sipper, temperature control holder, long pathlength cuvette holder, multiple cell holder are available to enhance different application needs.

### Storage and Data Output

External storage with SD card allows data export to PC compatible text or spreadsheet format. Method and result storage is almost unlimited by exchanging SD card when needed. Printer options are available for direct result printing with graphics. For advanced control, analyses and reporting can be performed by the optional UV Detective software installed on a computer.

### Validation Function

To ensure optimum instrument performance, self diagnosis functions are equipped in GLP/GMP wizard for performance validation and auditing.



HALO XB-10 / VIS-20 SPECIFICATIONS	XB-10	VIS-20
Wavelength Range	190 to 1000nm	330 to 1000nm
Resolution	1nm	
Spectral Bandwidth	5nm	8nm
Transmittance accuracy	±1% T	
Transmittance repeatability	0.50%	
Noise	0.004A at 0A at 250nm	
Stray light	<0.5% at 220nm, 340nm, 360nm	
Wavelength accuracy	±2nm	
Wavelength repeatability	1nm	
Absorbance	-0.3 to 1.999	
Transmittance	0 to 199.9%	
Spectrum Scanning	Yes	
Concentration	-300 to 1999	
Selectable Resolution	1, 0.1, 0.01 or 0.001	
Memory	SD card storage	
Quantitation	-300 to 1999	
Time Scan Display	Graphical and calculated concentration value	
Wavelength scan analysis	Absorbance and wavelength of peaks and valleys	
GLP	Clock and calendar Self Diagnosis	

## Halo XB-10 / VIS-20 Ordering Information

PRODUCT	CATALOG NUMBER#
Halo XB-10 UV-Visible Single Beam Spectrophotometer 100-230V, 50/60Hz	XB-10
Halo VIS-20 Visible Single Beam Spectrophotometer 100-230V, 50/60Hz	VIS-20
Test Tube Holder	XB-10-TTH
Micro cell holder	XB-10-MCH
Sample Sipper	XB-10-SS
Temperature Control Holder (20- 40°C)	XB-10-TCH
Rectangular Long Pathlength Cuvette Holder	XB-10-RLPH
Manual 5 Cell Changer	XB-10-M5C
Automatic 5 Cell Changer	XB-10-A5C



VIS-10 economy choice for routine test purpose is also available.

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