



Halo XB-10 / VIS-20

UV / Visible and Visible Touch Screen Spectrophotometer

The Halo XB-10 and VIS-20 are based on the remarkable DNAmaster design and offer the same high quality, touch screen operation in a 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 resulting in significant bench space saving. The long life Xenon lamp optics system in Halo XB-10 ensures quick and reliable performance. The Halo VIS-20 is equipped with a Tungsten Halogen lamp for stable measurement.

Color Touch Screen Operation

The intuitive color touch screen provides simple access to an extensive range of function. The touch screen is sensitive to stylus or fingers (with and without gloves). Icon driven on board software improves accessibility and the graphical display allows spectrum or standard curve show on screen. The forward and backward quick action keys are another convenience feature. An enlarged data display for photometry measurement enhances the legibility of numerical and graphical data.

Various Measurement Modes

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

Optional Accessories

A various selection of accessories include: test tube holder, flow cell with sipper, temperature control holder, long pathlength cuvette holder, and an automatic multiple cell changer is 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. Master Report software is available to convert the raw data to an organized data table.

Method and result storage is almost unlimited by exchanging the SD card when needed. A printer option is available for direct printing of data and graphics. Advanced control, analyses and reporting can be performed with the optional UV Detective software installed in computer.

Validation Function

To ensure optimum instrument performance, self diagnosis functions are executed with the GLP/GMP wizard for performance validation and auditing.



HALO XB-10 / VIS-20 SPECIFICATIONS	XB-10	VIS-20
Wavelength Range	190 to 1000nm	320 to 1100nm
Resolution	1nm	
Spectral Bandwidth	5nm	6nm±1.2
Transmittance Accuracy	±1% T	±0.50% T
Transmittance Repeatability	0.50% T	0.20% T
Noise	0.004A at 0A at 250nm	≤0.0008Abs (500nm)
Stray Light	<0.5% T at 220nm, 340nm, 360nm	≤0.3% T
Wavelength Accuracy	±2nm	±1nm
Wavelength Repeatability	≤1nm	≤0.5nm
Absorbance	-0.3 to 1.999	
Transmittance	0 to 199.9%	
Spectrum Scanning	Yes	
Concentration	-300 to 1999	
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	Time and date display 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 (Tube Diameter : 9-22mm; Height 70-150mm)	XB-10-TTH
Microcell Holder	XB-10-MCH
Sample Sipper (with 150µl flow cell)	XB-10-SS
Temperature Control Holder (20- 40°C)	XB-10-TCH
Rectangular Long Pathlength Cell Holder (for 10, 20,30, 40, 50, 100mm)	XB-10-RLPH
Automatic 5 Cell Changer	XB-10-A5C
Flow Cell Holder (with 150µl flow cell)	XB-10-FCH
UV Detective for XB-10 / VIS-20	UVDS-08-05
Compact Thermal Printer	XB-10-PRINT



Long Pathlength Cell Holder



Temperature Controlled Holder



Microcell Holder



Sample Sipper



Auto 5 Cell Changer



Flow Cell Holder



Test Tube Holder



Compact Thermal Printer