

Scientifix are your Spectrophotometer Specialists

No other company offers as wide a range

From simple QC & teaching systems through to the ultimate in research instruments

Contact Scientifix for a competitive quote and specialist advice

Our Range Includes:

Product	Primary Application
Dynamica VIS-10	Simple QC / Teaching
Dynamica Halo RB-10	Simple UV-Vis range
Dynamica Halo DB-20	Double beam applications
Hitachi U-2900	Stand alone or PC operation
Dynamica Halo DB-30	Variable bandpass work
Hitachi U-3900	High sensitivity variable bandpass applications
Hitachi U-4100	Utmost sensitivity for solids analysis
Hitachi U-5100	Life science research, DNA, RNA and Protein

Also available:

- ◆ Fluorometers and Micro titre plate readers

Spectrophotometry accessories:

- ◆ Cuvettes — glass, UV quartz and plastic disposable
- ◆ Absorbance & Wavelength calibration sets
- ◆ Calibration and Certification Services



VIS-10 from Dynamica

*Compact and Inexpensive yet powerful
Combines full scanning capability with excellent resolution*

Features:

- Compact single beam instrument using a monochromator for high accuracy
- 5nm bandpass, wavelength accuracy of ± 1 nm and $\leq 0.5\%$ stray light
- Silicon photodiode for superior sensitivity
- Focused light beam enables the use of microcuvettes for smaller volume samples
- Keyboard designed with fewer keys for easier/quicker operation and protection against spills
- Perform quantitative analyses in either absorbance or transmittance modes
- Perform a full spectral scan from 330 to 999nm at a selectable scan speed
- A cuvette holder/changer with 4 cuvettes supplied standard—other accessories available



If you need a comprehensively equipped, low cost spectrophotometer for teaching, or simple, visible range QC sample analysis, the VIS-10 is an excellent choice.

Halo RB-10 from Dynamica

RB-10 UV-Vis with ratio beam optics offers exceptional baseline stability for protein and DNA studies at very competitive prices

Features:

- Long-life Xenon lamp
- 2nm bandpass and better than 0.05% stray light
- A wide wavelength range from 190 to 1100nm
- Rapid scanning at up to 3600nm/min
- A built-in LCD screen displays experimental parameters, scans and data
- A seamless data input pad allows easy navigation whilst providing protection from laboratory spills
- On board data processing and storage of methods
- On board validation and self diagnosis
- On board software for time scan, kinetics, multi wavelength analysis, nucleic acid and protein ratios



The Dynamica Halo RB-10 can operate in stand alone mode or with the optional UV Detectable package it is easy to control and collect data to a computer or LIMS system.

Halo DB-20 from Dynamica

Double beam spectrophotometer at very competitive prices

Features:

- A 1.5nm bandpass and $\leq 0.05\%$ stray light
- A high resolution version (the DB20S) offers a 1nm fixed bandpass and stray light $\leq 0.1\%$
- Cover a wide wavelength range from 190 to 1100nm
- Rapid scanning at up to 3600nm/min
- On board data processing and storage of methods ensures the system is ideal for multi-user labs
- On board software for scanning, time scan, kinetics, multi-wavelength, film and glass analysis
- Onboard validation and self diagnosis
- A full range of liquid and film sample holders ensure the DB-20 range covers all typical spectroscopy needs at low cost



The Dynamica Halo DB-20 can operate in stand alone mode or with the optional UV Detectable package it is easy to control and collect data to a computer or LIMS system.

U-2900 from Hitachi

True double beam UV-Vis spectrophotometer with low stray light for stand alone or PC operation

Features:

- A 1.5nm bandpass
- Ideal for pharmaceutical applications meeting the European Pharmacopoeia requirements
- On board software for standard %T, Abs and Concentration studies, wavelength scanning, time scanning and kinetics, multiple wavelength work
- Includes validation and self diagnostic functions
- A high resolution spectral display shows all relevant data, methods, results and scans
- Small footprint



The U-2900 is suited to many diverse fields and industries such as pharmaceutical, food, sanitation, environment, biology, agriculture, geology, mineral, petrochemical, optical, life science, education, manufacturing and many others.

Halo DB-30 from Dynamica

Ideal for variable bandpass double beam applications down to 0.1nm at very competitive prices

Features:

- Covers a wavelength range from 190 to 900nm
- Bandwidths of 0.1, 0.2, 1.0, 2.0 and 5.0nm and better than 0.01% stray light
- Rapid scanning at up to 2000nm/min
- On board data processing and storage of methods ensures the system is ideal for multi-user labs
- On board validation and self diagnosis ensures consistent and accurate results
- A full range of liquid and film sample holders



The Dynamica DB-30 is PC controlled with UV Detective software package which is easy to use and controls both the instrument and sophisticated accessories such as the sipper or thermostated multiple cell holder.

U-3900 from Hitachi

Ideal for highest sensitivity, variable bandpass and low straylight or high absorbance applications

Features:

- The utmost in stray light capabilities for the most demanding research
- Measures over an extremely wide Absorbance range (to 5.5Abs for U3900H) with low stray light
- Ideal for reflectance or turbid sample work
- Full range of accessories for solid or liquid analysis
- Comprehensive self-testing and fault diagnosis
- Easy to use UV Solutions software for data collection, manipulation and recording functions.
- Data is easily output to other Windows programs such as Excel, Word and ASCII text for incorporation into LIMS or reports



The Hitachi U-3900 is the highest specification system available in standard lab formats and suits the most demanding applications with an enormous range of sample handling accessories including autosamplers.

U-4100 from Hitachi

Highest specification UV-Vis-NIR instrument from Hitachi

Features:

- Covers a wide range of wavelengths and samples
- Wavelength range from 175nm to 2500nm
- Specific detection optics for extremely high sensitivity
- Allows accurate measurement of polarization properties in the development of optical components
- Satisfies various analytical needs by combining various special accessories
- A wide array of sampling accessories & large sample compartment options
- A specific liquid sample compartment is available for non solid studies

Possible accessories:

- For measuring transmittance
- For measuring reflectivity
- Sensitive integrating sphere which can measure in the UV region at low noise level



The U-4100 suits dedicated UV research or wider wavelength studies. The wide array of sampling accessories and large sample compartment options make this the ideal UV-Vis-NIR spectrophotometer for solid sample or optical component research.

U-5100 from Hitachi

For life science research, DNA, RNA & Protein

Low cost, compact, lightweight UV-Vis instrument with remarkable power savings and a long life xenon light source offering superior performance

Features:

- 5nm bandpass, and ratio beam optics for exceptional accuracy and stability
- Includes an extensive array of built-in functions for versatility and suitability to many analytical and biological applications
- Wavelength range of 190 to 1,100nm
- Full spectral scan capabilities
- A cuvette holder / changer with an automated 6 cuvette is supplied as standard

The wavelength range and full spectral capabilities allow full wavelength scans to be run at speeds of up to 12,000nm/minute.

