

Double Beam Spectrophotometer UH5300



The technology for spectrophotometers continues to advance....

Hitachi designs spectrophotometers encompassing technologies for the future.

Features

Performance: This level of performance allows for highly accurate data to be obtained

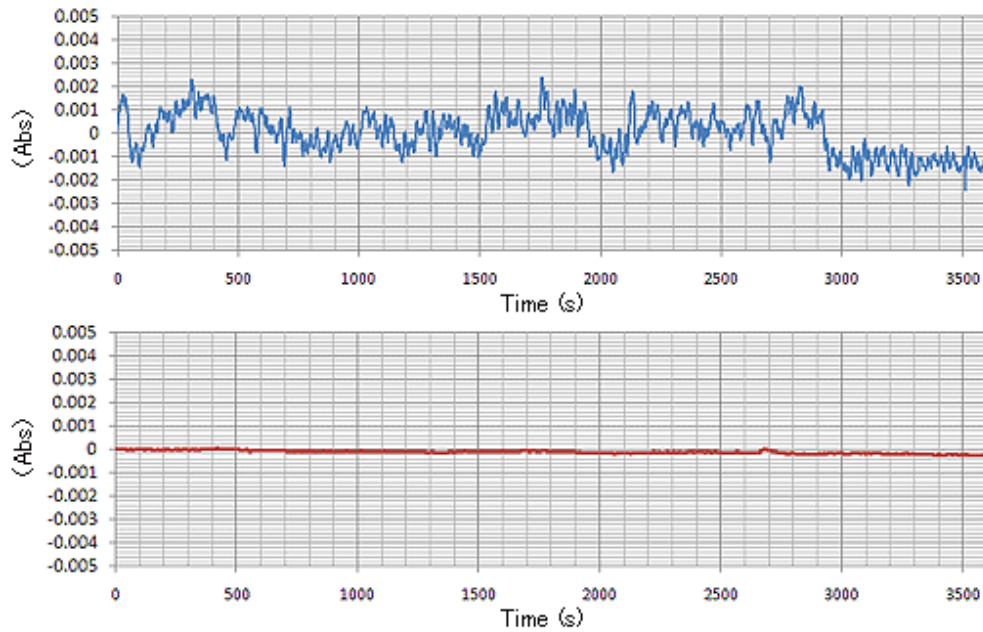
Use of long-life xenon flash lamp

Light source is guaranteed for seven years*1 resulting in lower operation cost

Double-beam optical system

Ensures extended periods of data stability compared with the single-beam optical system.

Best-of-class levels*2 of resolution of 1 nm have been achieved.



Comparison of baseline stability Single-beam device (above)

Double-beam device (below : UH5300)

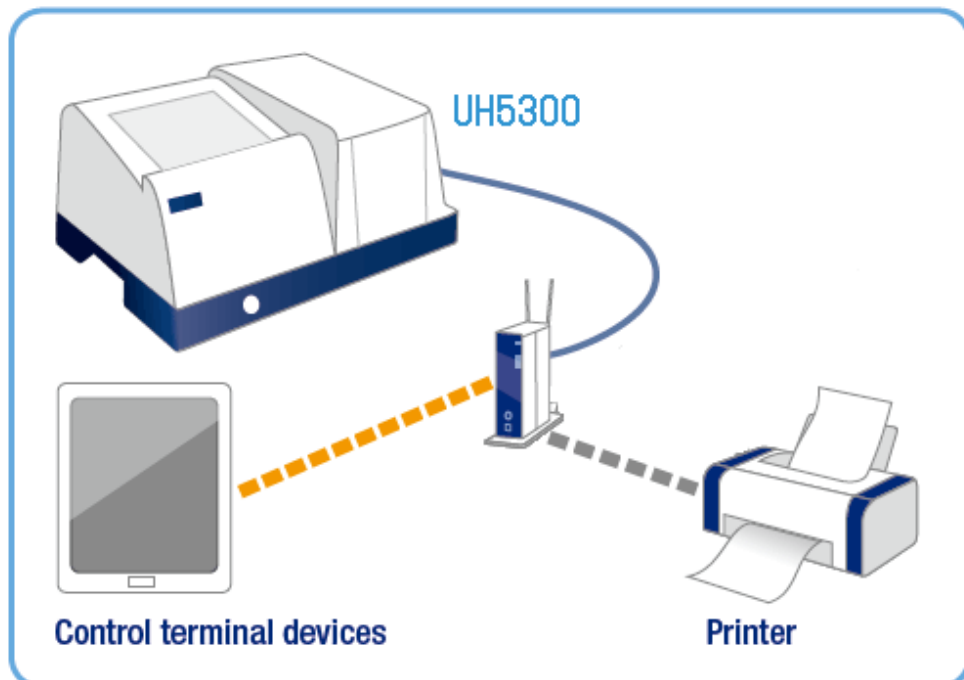
Operation: Hitachi offers a new type of operation in laboratories.

Operation by use of tablet terminals or PC

Simple and intuitive user interface

Remote control through wireless communication

Flexible operating environment



Other Features

Simple and easy-to-understand performance check function

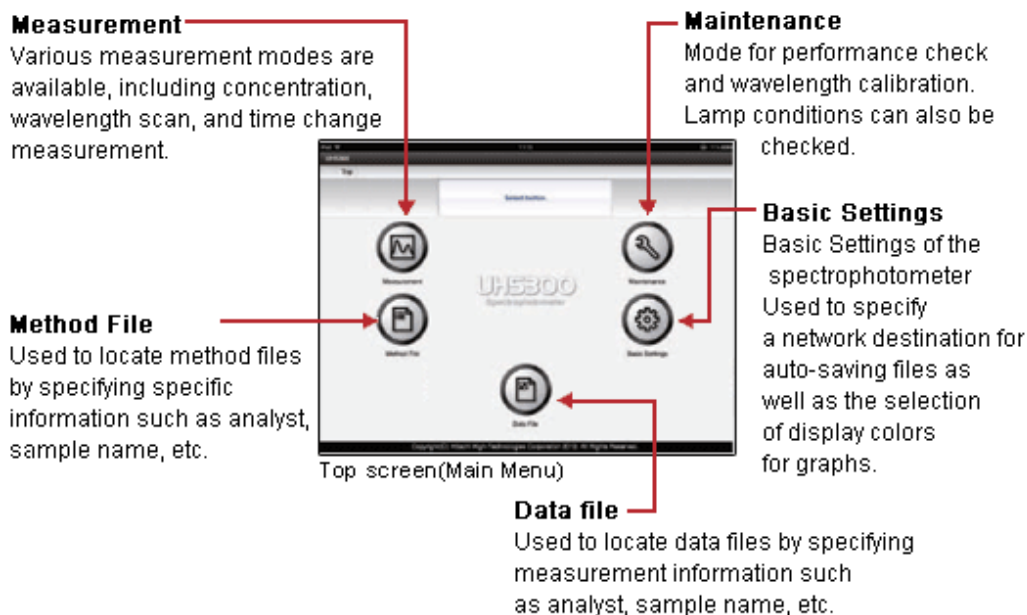
Assures the accuracy of data

Automatic 6-cell turret as standard equipment

Improved efficiency and increased sample throughput

Software: Expand measurement possibilities just by touching the screen.

The control software is designed with emphasis on simple and intuitive operability, providing an easy-to-follow measurement flow, even for someone who is unfamiliar with a spectrophotometer.



- *1 Registration of the product is required. For further information, please ask your dealer. The lamp is guaranteed against failure for seven years after the date of delivery or for a specified number of lamp illuminations, whichever comes first.
The specified number of illuminations is represented as a percentage (%), depending on the working conditions of the lamps, in the maintenance menu of the UH5300, in reference to a lamp working condition of 100%.
Assuming that the spectrophotometer is used for seven years, 240 days a year, the lamp working condition of 100% corresponds to 300 measurement events of absorbance measurement per day (number of wavelengths : one wavelength) or 20 measurement events per day for of wavelength scan measurement per day (scan range : 190 to 1,100 nm, scan speed : 200 nm/min).
- *2 Survey by Hitachi High-Tech Corporation. Models offered for sale in the Japanese market as of August, 2012.
- *3 For more information about the system, please contact us.
- * Operation software is built into the UH5300
- * For information on AirPrint-compatible devices, see the Apple website

Movie

Applications

Introducing the measurement example using spectrophotometer (UV-Vis / NIR).

UV-Vis/NIR Spectrophotometer Basic Course

The basics of spectrophotometer, from "What can an ultraviolet and visible spectrophotometer Do?" to "Structure of a spectrophotometer."

Related Products



Ratio Beam Spectrophotometer U-5100 [▶](#)