

Principle of UH4150 Spectrometer



Overview

The Model UH4150 Advanced Spec can precisely measure the high transmittance in the transmitted wavelength region and the low transmittance in the shielded wavelength region by employing a low-stray-light optical system. Small signal level differences at detector switching afford highly accurate measurements even when the wavelength of detector is being. Filters are used in CCD and CMOS image sensors to cut the infrared light that negatively impacts image quality and to allow visible light to pass through. Since micro size parts are used, measurements can be made using a transmittance measurement accessory for micro samples and a small 5° specular. The Hitachi UH4150 UV-Vis-NIR Spectrophotometer is a high-performance, double-beam optical instrument engineered for quantitative and qualitative analysis across an exceptionally broad spectral range—from deep ultraviolet (175 nm) through visible light to near-infrared (3300 nm). The Hitachi UH4150 spectrophotometer offers accurate testing, making the instrument an appropriate tool for a variety of fields, including optical materials and. Now, Model UH4150 has emerged inheriting the reliability of the U-4100 Spectrophotometer, which boasts the total number of shipments more than 1,500*1 units. Low stray Low Low Low stray s t ray light I light light and and and low low polarization low polarization characteristics polarization chara.

Article Content

UV-Visible/NIR Spectrophotometer UH4150AD : SI NEWS : Hitachi

UV-Visible/NIR Spectrophotometer UH4150AD We have released the UH4150AD spectrophotometer as an enhanced version of our popular UH4150 spectrophotometer. The UH4150AD is customized for

Hitachi UV-Visible/NIR Spectrophotometer UH4150

Hitachi UV-Visible/NIR UH4150 Spectrophotometer (UV-Vis/NIR) Please contact our Sales Team with your laboratory requirements and specifications including PC equipment and software. SYSTEM

UV-Visible/NIR Spectrophotometer UH4150 : Hitachi

While maintaining the high-performing optical system of the model U-4100, the UH4150 provides higher throughput measurements. In the previous model, a

5: (a) Working mechanism of a UV-Visible Spectrometer

Download scientific diagram | 5: (a) Working mechanism of a UV-Visible Spectrometer and (b) UH4150 Spectrometer [123,124]. from publication:

UV-Visible/NIR Spectrophotometer UH4150

Model U-4100, the expert in solid-phase spectrophotometry, has advanced even more. Now, Model UH4150 has emerged inheriting the reliability of the U-4100

UH4150 Spectrophotometer for Plastics Analysis | PDF

The document describes measurements of the optical properties of various plastic materials using a UH4150 spectrophotometer. Four plastic samples - polymethyl

UH4150 UV-Visible/NIR Spectrophotometer from Hitachi High

UH4150 offers highly-accurate testing, which makes it the most appropriate tool for a variety of fields, including optical materials and components, semiconductors, new material development, and

Hitachi UH4150 UV-Visible/NIR Spectrophotometer | NNCI

Multiple detectors are installed in the integrating sphere to perform measurement over a wide range of wavelengths, from ultraviolet to visible to near infrared regions. The changes in photometric values at

UV-VIS-NIR Spectrophotometer UH4150 Automatic

We have taken three popular peripheral systems for the UH4150 spectrophotometer—the automatic variable-angle absolute reflectance

Hitachi UH4150

Low stray light and low polarization characteristics are important features of the Hitachi UH4150 that offers low noise measurements. A new and

Hitachi UH4150 UV-Vis-NIR Spectrophotometer

Overview The Hitachi UH4150 UV-Vis-NIR Spectrophotometer is a high-performance, double-beam optical instrument engineered for quantitative and qualitative analysis across an exceptionally broad

5: (a) Working mechanism of a UV-Visible Spectrometer

Organometallic perovskites have become one of the most common choices among scientists in various optoelectronic research due to their multifunctionality,

Spectroscopy: Introduction, Principles, Types and

Introduction Spectroscopy is a scientific technique used to study the interaction between matter and electromagnetic radiation. It helps identify the

UH4150 Datasheet

Multiple detectors are installed in the integrating sphere to perform measurement over a wide range of wavelengths, from ultraviolet to visible to near infrared regions.

Hitachi UV-Visible/NIR Spectrophotometer UH4150

Model U-4100 UV-Visible/NIR Spectrophotometer, the expert in solid-phase spectrophotometry, has advanced even more. Now, Model UH4150 has

Hitachi UV-VIS-NIR Spectrophotometer

With Model UH4150, you can measure at 1 nm intervals while using a scan speed of 1,200 nm/min, reducing the measurement time significantly.*4 The UH4150 measures from 240 to 2,600 nm in

Hitachi UV-VIS-NIR Spectrophotometer

While maintaining the high-performing optical system of the model U-4100, the UH4150 provides higher throughput measurements. In the previous model, a scan speed of 600 mm/min was necessary for a

UH4150 Datasheet

The UH4150 offers low noise measurements, even for low transmittance and reflectance samples. Collimated light beam allows accurate measurement of reflected light and scattered light. The

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