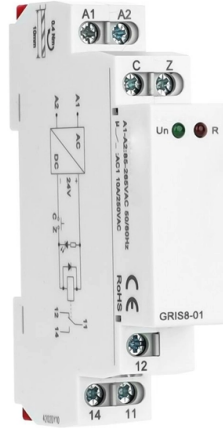


Secondary Spectrometer 14



Overview

The Cary Model 14 UV-VIS Spectrophotometer was a double beam recording spectrophotometer designed to operate over the wide spectral range of ultraviolet, visible and near infrared wavelengths (UV/Vis/NIR). This included wavelengths ranging from 185 nanometers to 870 nanometers. (The Cary Model 14B, almost identical in exterior appearance, measured wavelengths from 185 to 870 nm. Design and use) The double beam design of the Cary 14 provided rapid, simplified analysis by simultaneously measuring the transmittance of both the sample and the reference over the entire spectral range. The Cary 14 was produced until 1980. Its selling price in 1960 was approximately US \$20,000. Cary Instruments replaced production of the Cary 14 with the Cary 17 beginning in 1970. Cary recording spectrophotometer.



Article Content

Cary 14 Spectrophotometer

The Cary Model 14 UV-VIS Spectrophotometer was a double beam recording spectrophotometer designed to operate over the wide spectral range of ultraviolet, visible and near infrared wavelengths ...

Cary 14 Spectrophotometer Explained

The Cary Model 14 UV-VIS Spectrophotometer was a double beam recording spectrophotometer designed to operate over the wide spectral range of ultraviolet, visible and near infrared wavelengths ...

SECONDARY | English meaning

SECONDARY definition: 1. less important than related things: 2. developing from something similar that existed earlier.... Learn more.

Spectrophotometer, Cary 14 | Smithsonian Institution

The Cary 14, introduced by the Applied Physics Corporation in 1954, was the first commercially available double beam recording spectrophotometer. There were two forms: the UV-VIS which operated over ...

secondary

In electricity: Pertaining to those parts of a transformer, or induction-coil, in which the induced currents occur, as distinguished from the corresponding parts of the primary or inducing circuit; as the ...

What does Secondary mean?

Secondary refers to something that is less important than or subsequent to something else. It could also refer to something that is indirectly derived from a primary source or occurring as a secondary ...

Secondary Definition & Meaning | YourDictionary

Secondary definition: Of, relating to, or being the shorter flight feathers projecting along the inner edge of a bird's wing.

SECONDARY definition and meaning | Collins English Dictionary

If you describe something as secondary, you mean that it is less important than something else. The street erupted in a huge explosion, with secondary explosions in the adjoining buildings. They argue ...

Introductory Chapter | Secondary Ion Mass ...

This chapter will discuss the Secondary Ion Mass Spectrometry (SIMS) technique for the new SIMS user, illustrating how SIMS fits in with other common surface analytical techniques.

secondary, adj. & n. meanings, etymology and more | Oxford English ...

There are 83 meanings listed in OED's entry for the word secondary, six of which are labelled obsolete. See "Meaning & use" for definitions, usage, and quotation evidence.

Quantitative Secondary Ion Mass Spectrometry

* Use of reactive ion sputtering (oxygen or cesium) to increase the secondary ion yield and to achieve a chemical modification of the surface zone which reduces the chemical matrix effects.

Secondary Ion Mass Spectrometry: Characterizing Complex Samples ...

Maximising the potential for bacterial phenotyping using time-of-flight secondary ion mass spectrometry with multivariate analysis and Tandem Mass Spectrometry.

Overview of planned upgrade to the secondary spectrometer of TOSCA

The new secondary spectrometer consists of 14 analyser modules, each constituted of a large, curved pyrolytic graphite analyser, a beryllium filter and a position-sensitive detector system.

Secondary

Define secondary. secondary synonyms, secondary pronunciation, secondary translation, English dictionary definition of secondary. adj. 1. Second or lower in rank or importance; not primary: ...

Secondary Ion Mass Spectrometry (SIMS) | AIP Publishing

This Special Topic Collection features articles on the most recent developments and experimental studies in Secondary Ion Mass Spectrometry (SIMS).

Secondary Ion Mass Spectroscopy

In a Tandem Mass Spectrometer, the secondary ions (generally, high mass fragments) are further broken down (fragmentation) by one of several techniques, and the resultant fragments are detected ...

secondary

secondary (not generally comparable, comparative more secondary, superlative most secondary) Next in order to the first or primary; of second place in origin, rank, etc.

SECONDARY Definition & Meaning

The meaning of SECONDARY is of second rank, importance, or value. How to use secondary in a sentence.

Secondary Ion Mass Spectrometry as a Tool for Investigating ...

Ion micros-copy (secondary ion mass spectrometry) may be particularly useful in this respect. We used SIMS to study the biodistribution of the melanoma-targeting molecule N-(2-dieth ...

secondary

being the part of an electric circuit, such as a transformer or induction coil, in which a current is induced by a changing current in a neighbouring coil: a secondary coil

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