

# Spectrometer detected 304





## Overview

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Result: A spectrometer will confirm the presence of chromium (18-20%) and nickel (8-10). Spectral Products offers the new SM304 TE-cooled InGaAs/Extended-InGaAs array spectrometers. The other input port is designed to receive an input telescope and a viewing device.



## Spectrometer detected 304

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## ABB-Brochure-MR dd

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The radiometric configuration of the MR spectroradiometer ensures a stability of response under various illumination scenarios. The Fourier Transform Infrared Spectroscopy (FTIR) technology allows high

## SM304-512-2.5

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The SM304-512-2.5 from Spectral Products is a Spectrometer with Wavelength Range 900 to 2500 nm, Spectral Resolution  $>5.5$  nm. More details for SM304-512-2.5 can be seen below.



## **Analysis of stainless steel samples by energy dispersive**

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A simple method for the analysis of stainless steel samples is presented which is based on radioisotope excited energy dispersive X-ray

## **The Choice for Low Signal Level NIR/SWIR Applications**

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The SM304 series is ideal for NIR/SWIR spectrometry requiring a very high signal-to-noise ratio and/or dynamic range. The low noise and high performance of the

## **how to check stainless steel 304 and 316\_Gangsteel**

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Introduction to Stainless Steel 304 and 316 Stainless steel 304 and 316 are two of the most widely used austenitic alloys, valued for their corrosion resistance and versatility in industries like chemical



## **SM304-256-2.5**

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The SM304-256-2.5 from Spectral Products is a Spectrometer with Wavelength Range 900 to 2500 nm, Spectral Resolution >9 nm. More details for SM304-256

## **Analysis of oxide layers on stainless steel (304, and 316) by**

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Stainless steels of type SUS304 and SUS316 were chemically treated and heated at various temperatures, and the oxide films formed on the surface were analysed by Auger electron

## **SM304 InGaAs array spectrometer**

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The SM304 series are ideal for NIR spectrometry that requires very high signal to noise ratio and/or high dynamic rang. The high performance with low-noise level of the SM304 series makes it possible to

## **SM304 InGaAs Array Spectrometer**

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Spectral Products is offering the new SM304 TE cooled InGaAs array spectrometers. The SM304 series are ideal for NIR spectrometry that requires very high signal to

## **Representative X-ray fluorescence spectrum of stainless**

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The results obtained with a Niton spectrometer are presented as a goal to develop a laboratory-made spectrometer using an Amptek Cool-X pyroelectric x-ray generator.



## Specifications MR304SC Series

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MR304SC Series Configuration The system consists of a spectroradiometer with 1.0 input and two output ports. The system features simultaneous data acquisition from the two output ports

## Raman spectroscopy study on intergranular corrosion sensitivity of

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A new method to detect the intergranular corrosion of 304 stainless steel was provided by clarifying the composition changes of the sensitization process and establishing a correlation model

## Optical spectrometer

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Grating spectrometer schematic Internal structure of a grating spectrometer: Light comes from left side and diffracts on the upper middle reflective grating. The

## How to Test 316 Stainless Steel: A Step-by-Step Guide

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How do I distinguish between 316 and 304 stainless steel? To distinguish between 316 and 304 stainless steel, you can look at their chemical

## SM304

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SM304 Near-Infrared (NIR) Spectrometer User Selectable various NIR Ranges from 0.9 - 2.5 um Low Dark Noise and High Stability Best Performance for NIR Spectroscopy Wide dynamic range and high



## **Spectrometric Analysis for Positive Material Identification (PMI)**

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The analyzer's detection technology can discriminate between the energies emitted, and measure each one's intensity -- hence determining the concentration of the different elements in the sample.

## **How to test if something is 304 stainless steel?**

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Result: A spectrometer will confirm the presence of chromium (18-20%) and nickel (8-10.5%) in 304 stainless steel. Procedure: Employ a portable spectrometer to analyze the metal

## **Energy dispersive spectrometer analysis of Type 304**

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Download scientific diagram , Energy dispersive spectrometer analysis of Type 304 stainless steel. (A) Untested 304 stainless steel surface, (B) after immersion in 2

## SM304

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The Choice for Low Signal Level NIR Applications Spectral Products offers the new SM304 TE-cooled InGaAs/Extended-InGaAs array spectrometers. The SM304 series are ideal for NIR spectroscopic

## SAMURAI spectrometer for RI beam experiments

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5. Summary The SAMURAI spectrometer has been designed and constructed for RI beam experiments at RIKEN RIBF. The superconducting dipole magnet is designed to have a large



## **Spectral Products SM304 TE-Cooled InGaAs Array Spectrometer**

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Overview The Spectral Products SM304 is a research-grade, thermoelectrically cooled InGaAs linear array spectrometer engineered for high-fidelity spectral acquisition in the short-wave infrared (SWIR)

## **How to Identify 304 Stainless Steel**

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Identifying 304 stainless steel demands a blend of practical tools and careful judgment. From quick reagent tests and magnetism checks to precise

## **Direct Detect Spectrometer User Guide**

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The Direct Detect® spectrometer is equipped with a highly-efficient, low-power, air-cooled infrared source with an average life span of 44,000 hours. As the end of this life



span is approached, the

## **Analysis of stainless steel samples by energy dispersive X -ray**

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The method has been tested by analysing several CRM standard reference samples and 304 and 316 steel samples assuming as unknown. The EDXRF results have also been compared with the results

### **Contact Us**

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