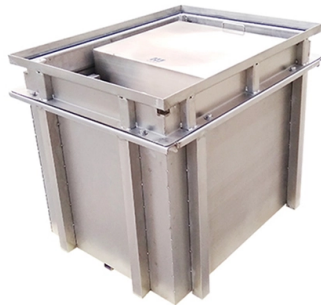


Stainless Steel Case for Optical Spectrometer



Overview

Spectrometer Case | Protective Cover for Optical A tough but flexible rubber protective case for the Ossila USB Spectrometer. With mounting points that Sta.

Key Takeaways

Stainless steel cases provide durable, corrosion-resistant, and customizable protection for optical spectrometers in laboratory and industrial environments. Material and Durability

Stainless steel, particularly 304 and 316 grades, is ideal for optical spectrometer enclosures due to its high resistance to corrosion, oxidation, and wear, making it suitable for cleanrooms, laboratories, and industrial settings . 304 stainless steel is commonly used for general lab applications, offering excellent durability and ease of cleaning, while 316 stainless steel provides superior chemical resistance for more demanding environments . Stainless steel also maintains high yield strength at elevated temperatures, ensuring long-term protection against mechanical stress and environmental hazards .

Protective Features



A stainless steel case can safeguard optical spectrometers from dust, moisture, vibration, and accidental impacts. Custom cases often include modular compartments or thermoformed interiors that prevent contamination and particle generation, which is critical for sensitive optical components . Unlike foam inserts, dust-free thermoformed compartments maintain long-term protection without degrading or producing debris .

Customization and Mounting

Stainless steel cases can be custom-designed to fit specific spectrometer models, with options for removable backs, adjustable shelves, and secure mounting points for optical tables or breadboards . Some designs allow for field conversion of doors, drawers, and rails, enabling flexible lab configurations and easy access to instruments . Cases can also integrate sinks or work surfaces if required for laboratory workflows .

Applications

These cases are suitable for research laboratories, healthcare facilities, cleanrooms, and industrial environments where both sterilization and durability are essential . Stainless steel enclosures are recyclable and sustainable, reducing long-term replacement costs while providing a high-quality, professional appearance for sensitive optical equipment .

Summary

For optical spectrometers, a stainless steel case offers unmatched protection, longevity, and customization. Selecting the appropriate grade (304 or 316) and incorporating dust-free, thermoformed interiors ensures that your spectrometer remains secure, contamination-free, and fully functional in demanding laboratory or industrial settings .

Article Content

Quick guide Spark-Optical Emission Spectrometry (OES)

Emission Spectrometry (OES) Easy elemental analysis of metals and alloys in less than • Ideal for process control in metal

Optical Emission Spectrometry | Optical Emission Spectrometer

An optical emission spectrometer offers fast and simultaneous elemental analysis of many metals and alloys in metallurgical

FS500 CCD Based Spark Optical Emssion Spectrometer-Benchtop

SOOHOW FS500 CCD Spectrometer, made in Kunshan, features Paschen-Runge optics and high-performance CCD detectors with

COYOTE® Splice Case

The COYOTE Splice Case combines the field-proven performance of the PREFORMED™ Splice Case (stainless steel) with the high

Optics Cases

The KT04 and KT06 also feature a carrying handle. We also provide optics cases for microscope objectives or small optical

Analysis of Iron and Steel with ARL easySpark Optical Emission

Introduction For over 80 years, our company has set the standard of quality for optical emission spectrometer used for analysis of

Contact Us

Continue your research online:

Website: <https://rivomultitrade.co.za>

Technical inquiry: <https://rivomultitrade.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

