

Southern European Spectrometer



Overview

The Multi-Unit Spectroscopic Explorer (MUSE) is an integral field spectrograph installed at the Very Large Telescope (VLT) of the European Southern Observatory (ESO). It operates in the visible wavelength range, and combines a wide field of view with a high spatial resolution and a large simultaneous spectral range (480-930 nm). It is specifically designed to take advantage of the improv. BackgroundTraditionally astronomical observations in the optical region have been separated into imaging and spectroscopy. The former can cover a wide field of view, but at the cost of a very coarse resolution in the wavelength direction. T. MUSE has a field of view that is well-matched to a number of objects in the, such as and. The high spatial resolution and sampling will enable MUSE to simultaneou.



Article Content

Mar 18, 2026

Spectrometers Market Expansion and Diversification in Europe ...

The development and diversification of the spectrometer market in Europe are being driven by several key factors. The increasing demand for spectrometers in various industries, such

Apr 30, 2026

Kalmbach Southern European Observatory 1970s South American

Kalmbach Southern European Observatory 1970s South American Eclipse Non Dispersive Ultraviolet Imaging Spectrometer Off Axis Optics One Micrometer Coronal Profiles are discounted up to 19%.

Feb 10, 2026

ESO — The European Southern Observatory

ESO Cookies Policy The European Organisation for Astronomical Research in the Southern Hemisphere (ESO) is the pre-eminent intergovernmental science and

May 17, 2026

ESS | European Spectrometry Services

European Spectrometry Services (ESS) is a world leader in the mass spectrometry industry.

Jul 16, 2025

Cryogenic high-resolution echelle spectrometer for the European ...

A cryogenic echelle spectrometer is planned for the ESO Very Large Telescope to perform high-resolution ($R \geq 100,000$) observations in the 1 - 5 micrometers range. Primary design goals are

Aug 25, 2025

ESO — The European Southern Observatory

The Paranal solar ESPRESSO Telescope (PoET), installed at the European Southern Observatory's (ESO's) Paranal site in Chile, has made its first

Jul 30, 2025

ESO signs agreement for MOSAIC instrument on the

Today, the European Southern Observatory ESO has signed an agreement with a large international consortium for the design and construction of

Apr 11, 2026

Europe Spectrometer Market (2024-2030) | Trends, Outlook & Forecast

How does 6W market outlook report help businesses in making decisions? 6W monitors the market across 60+ countries Globally, publishing an annual market outlook report that analyses trends, key

Sep 09, 2025

An efficient facility spectrometer for the European

Measuring the physical properties of the galaxies requires spectroscopy. This practice allows one to determine the distance, composition, and internal motions

Oct 16, 2025

European Southern Observatory (ESO) Coude Echelle Spectrometer

Abstract A powerful high resolution spectrometer has been developed, and is installed at the Coude Focus of ESO's 3.6 m telescope. It can also be fed by a 1.4 m auxiliary telescope dedicated to the

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