

# Gratings for Miniature Fiber Optic Spectrometers



## Overview

An Ocean Optics Applications Scientist can help you select the grating that yields the optimum wavelength range, optical resolution and signal for your application. Grating options are described in the Spectrometer Grating Selection Chart. Focused 100% on OEM business, Ibsen Photonics is the preferred partner for leading industrial companies in volume supply of high performance spectrometers and transmission gratings. From chemistry, laboratory analytics and wastewater treatment to wafer production, color measurement and more - we are here for you. In this paper, a microlens array grating is designed for. A diffraction grating is an optical component with a periodic structure that splits and diffracts light into several beams traveling in different directions. The directions of the beams depend on the spacing of the grating and the wavelength of the light so that the grating acts as the dispersive. FOSS Group acquires Wasatch Photonics November 10, 2025, Hillerød, Denmark - FOSS announces the acquisition of North American spectrometer specialist Wasatch Photonics. The Danish family-owned company continues its investments within photonics and optics, this time with one of the biggest.

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An Ocean Optics Applications Scientist can help you select the grating that yields the optimum wavelength range, optical resolution and signal for your application.



Our optical gratings and spectrometers offer the performance, quality and flexibility to support you in a wide range of industries and applications. From chemistry, laboratory analytics and wastewater ...



Concave gratings deliver both diffraction and focusing onto the linear sensor without any additional optics. Compact, extremely cost-efficient optical bench with folded layout compared to transmission ...



Spectrum Scientific, Inc. (SSI) has been manufacturing high volume flat, aspheric and freeform reflective optics, hollow retroreflectors and holographic diffraction gratings since 2004.



Our reproduced holographic, ruled diffraction and original master gratings are created with exceptional volumes. Learn how you can order.



Based on this model, pushbroom spectrometers and a whiskbroom spectrometer are designed. The results show that the systems developed based on this model can achieve a compact ...



By combining unique optical design capabilities with superior grating technology, Ibsen supplies compact, OEM spectrometers for applications such as UV, VIS, NIR, Raman, OCT, and fiber sensing.



(Electronic Shutter) CT300 CT330 Mini-CCT with BI CCD for RAMAN (with 532/640/785nm lasers)



In this paper, a microlens array grating is designed for miniature multi-channel spectrometers. A transmissive element integrating microlens arrays and gratings, the MLAG, enables ...



Wasatch Photonics is a leading supplier of Gratings, Spectroscopy equipment, and OCT. Click here to learn how our technology can benefit you!

## Contact Us

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