

DIY Liquid Spectrometer

In this guide, we will delve into the materials and techniques needed to build a custom DIY spectrometer, aiming for high-quality results while keeping costs low. This article will cover the theory ...

In these pages, we offer you information to build a homemade spectrometer capable of emulating the ones you can find in technical laboratories (with, of course, a lower precision) that enable you to try ...

This guide outlines how to create a homemade spectrometer capable of analyzing materials through light absorption and emission, utilizing basic components like a LED and a ...

If you have an unknown liquid, looking at its spectrum can help you identify what it might contain. So we built a spectrophotometer, using a webcam and inexpensive hardware-store pieces, to read the ...

Learn how to make your own homemade spectrometer using simple materials. Use light to analyse substances! Part of >150 free science experiments.

The design for this spectrophotometer was adapted from The Bug that Eats Toxic Waste, by Dan Dillon, Bob Schumacher, and Dr. Brent Peyton. Their document details a multi-disciplinary, multi-day ...

The following experiment will be done with liquid substances of different colors. Here a container will be used and it will be adapted to a new module so that the AS7262 sensor can monitor ...

Figure 5 shows a typical layout of a "DIY" spectrophotometer, where the spectrum produced by the grating is projected onto graph paper to produce a scale of wavelength. The grating ...

Designing a 3D-printed optical spectrometer using a diffraction grating and open-source software. I recently worked on an interesting project where I needed to figure out how a certain material absorbs ...

With this low-cost spectrometer, you can perform various simple and interesting experiments right from your house. Hope you enjoyed this Instructable and it has inspired you to build your own DIY Low ...



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Web: <https://maxtools.co.za>

