

How to check the model number of a beam splitter



Overview

A beam splitter or beamsplitter is an that splits a beam of into a transmitted and a reflected beam. It is a crucial part of many optical experimental and measurement systems, such as, also finding widespread application in.

Article Overview

You can check a beam splitter's model number by inspecting its ID label or using instrument diagnostics if it is installed in a spectrometer or optical system.

Physical Inspection

- Remove the beam splitter carefully from its instrument or holder, ensuring you do not touch the optical surface to avoid fingerprints or damage (Agilent recommends resting it on a soft surface like a folded towel) .
- Locate the ID label on the underside of the beam splitter. Labels are often trapezoidal and may have distinguishing features such as holes or cutouts that indicate the type of material (e.g., KBr or quartz) .
- Read the model number printed on the label. If the label is missing or damaged, some manufacturers provide spare ID labels that can be attached to the beam splitter .

Software or Instrument Diagnostics

- If the beam splitter is part of a spectrometer or similar instrument, access the Spectrometer Diagnostics or Configuration tab in the instrument software. The insta...

Article Content

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How To Find Your Log Splitter's Model Number | PartSelect

Learn where to find the model number on your log splitter, and then use PartSelect's help to locate the replacement parts you need

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Optical Beamsplitter

A beamsplitter is an optical component used to split a beam of incident light into two parts in a laser or illumination system. Cube

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Beamsplitter Labels

Once fitted, replace in the instrument and check Spectrometer Diagnostics. If the correct beamsplitter is displayed you can continue

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beamsplitters selection guide

Beamsplitters Selection Guide Beamsplitters selection Guide A beamsplitter is an optic that splits light into 2 directions. The split ratio

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Beam splitter

Overview Designs Phase shift Classical lossless beam splitter Use in experiments Quantum mechanical description Reflection beam splitters

A beam splitter or beamsplitter is an optical device that splits a beam of light into a transmitted and a reflected beam. It is a crucial part of many optical experimental and measurement systems, such as interferometers, also finding widespread application in fibre optic telecommunications.

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Thorlabs · Optical Beamsplitters

Thorlabs offers a wide range of optical beamsplitters. Our plate beamsplitters have a coated front surface that determines the beam

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What is a Beam Splitter?

A beam splitter or power splitter is an optical device that can split an incident light beam e.g. a laser beam into two or

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Beam Splitter

In laser processing systems, beam splitters are commonly used to route a portion of the beam to a

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How does a beam splitter work? Common types and use cases

Understanding Beam Splitters Beam splitters are essential optical components used to divide a beam of light into two

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How Does a Beam Splitter Work? Types, Principles & Applications

Learn how beam splitters work, compare cube and plate designs, and explore applications in lasers, microscopy, and interferometry.

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Beamsplitters Selection Guide For Optical Applications | Optometrics

This beamsplitter guide highlights the functionality, form factor, role and key considerations when selecting

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Beam Splitters – Buyer's Guide & Supplier List | RP Photonics

This buyer's guide for beam splitters provides technical background, comparison of major types, selection criteria, and an overview of

Feb 26, 2026

BeamSplitters/Combiners

Operations Guide 2.1 Getting Started The usage of Doric Splitters/Combiners is extremely simple.

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Introduction To Splitters | Teledyne Vision Solutions

Introduction To Splitters Introduction Early microscopes were essentially a tube through which light travels

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Beam Splitter

A beam splitter is defined as an optical device that effects a linear transformation of fields presented at two input ports, producing

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Beam Splitter Selection Guide

An Optical Beamsplitter is an optic or optical device that is used to split a beam of light in two. Newport offers a wide variety of

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Diffractive Multispot Beam splitter

A diffractive Beam Splitter can be designed to generate either a 1-dimensional beam array (1xN) or a 2-dimensional beam matrix

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2D Diffractive Beam Splitter

2D Beam Splitter products The Diffractive Beam Splitter (or dot generator) is a diffractive optical element used to split a single laser

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Photonics 101

As the name suggests, a beam splitter refers to an optical device which is used to split or divide a beam of light into

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Output of a beamsplitter with photon number (Fock) state inputs

Thus the output states for a beam-splitter transformation on input Fock states have been obtained. As Peter Shor correctly pointed

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Thorlabs Beamsplitter Cube Overview | PDF | Optics | Lens (Optics)

All of these cubes are designed to provide a 50:50 split ratio independent of beam polarization while working over a broad

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Beam Splitters: Explained

The diffractive beam splitter allows the creation of any type of spot arrays (1D, 2D, or irregular) while maintaining high

Jun 05, 2026

How to model a dichroic beam splitter – Ansys Optics

Due to the collimated source used in our model and the orientation of the plate beam splitter, the angle of incidence of all rays hitting

Aug 26, 2025

Beam Splitter

8.11.1 The Beam Splitter The beam splitter is an optical device of great importance, effecting a linear transformation of fields

Dec 12, 2025

Optical Beamsplitters | Beamsplitter Selection | Edmund Optics

Beamsplitters are optical components used to split input light into two separate parts. Beamsplitters are common components in

Jun 20, 2026

Beamsplitter Family PDF Asset Page | Keysight

This document describes how Keysight's family of high performance beamsplitters offers industry-leading polarization and beam

Nov 17, 2025

Covering the Basics of Beamsplitters — Firebird Optics

Polarizing Beamsplitter While standard non-polarizing beamsplitters divide light by

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How to Select a Beamsplitter

What is a Beamsplitter? A beamsplitter is an optical device that divides an incident beam of light into two

Oct 01, 2025

Beam Splitters – optical power splitter, beamsplitter, thin-film ...

Beam splitters are devices for splitting a laser beam into two or more beams. There are different types, including polarizing and non

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Quantum physics and the beam splitter mystery

ABSTRACT Optical lossless beam splitters are frequently encountered in fundamental physics experiments regarding the nature of

May 31, 2026

Beam Splitters: Types and Applications

Beam splitters find their application in a diverse array of fields, from teleprompters to robotics, impacting various technologies we rely

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