

Red light pen direct beam splitter



Overview

With a 5mW red laser light output and a testing range up to 5 kilometers, this universal pen supports SC, FC, and ST connectors, making it a versatile choice for fiber network technicians. Beamsplitters are optical components used to split input light into two separate parts. Light. The Optical Fiber Visual Fault Locator (Red Light Pen) utilizes a 650nm semiconductor laser, offering a reliable and stable red light output for fiber fault detection in both single-mode and multimode fibers. For STEP/DXF files or custom mechanical assemblies, please contact our. The RPEN-110 is a necessary tool that should not be missing from any fiber plant manager or fiber optic installing technician. Tool sends visible light over a fiber strand with a 10mW power, good enough to reach. 30 years of experience in R&D and manufacturing - Jilong JILONG launched the VFL-22M mini red light pen, pocket design, small and portable, integrated VFL/LED function, strong and stable light source, strong penetrating power, detection distance of about 25 kilometers, designed with USB charging.



Article Content

Jan 20, 2026

B5 Rechargeable Fiber Visual Fault Locator – Red VFL

DESCRIPTION The B5 Rechargeable Red Light Pen is a professional 650nm visual fault locator designed for fiber optic network maintenance,

Jun 09, 2026

What is a Beam Splitter: Types And Applications

A beam splitter is a device used to separate or combine light. It is widely used in guiding light in optical systems, enhancing imaging and

May 13, 2026

B3 Optical Fiber Visual Fault Locator (Red Light Pen)

This compact and lightweight tool is an essential instrument for field technicians and network engineers, allowing quick and efficient identification of fiber breakpoints, poor connections,

Jun 29, 2025

Dream Catcher

Have you ever had an inspiration in the middle of the night? Or maybe a nagging thought or to-do item that you just thought of? Keep this red LED light pen and a

May 04, 2026

Opticz Jumbo XL Blue Red Yellow UV Blacklight Reactive Invisible Ink ...

Our extra large Opticz Jumbo Blacklight Markers are filled with our our signature blend invisible UV ink that is undetectable to the eye under normal conditions but glows brightly under black light. Available

Jul 17, 2025

Do you know how to use a fiber optic red light pen?

Optical fiber red light pen (i.e., optical fiber fault detector, optical fiber fault test pen) is a 650nm (± 20 nm) semiconductor laser as a light-emitting device, which emits stable red light through

Jan 03, 2026

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 sometimes more beams, which may or may not have the same optical

Mar 22, 2026

RPEN-210 Visual Fault Locator Pen 10mW 650nm

Buy RPEN-210: economy visual fault locator pen with 10mW 650nm red laser, tracing up to 10Km on 2.5mm ferrules (SC/ST/FC). Includes batteries for fiber

Apr 05, 2026

VFL-22M red light source, red light pen, lighting pen,

The detection distance is about 25km Stable and strong light source and strong penetrating power ★ The detection distance depends on factors such as fiber

Nov 02, 2025

Beam Splitter | Precision, Applications & Design Principles

Understanding Beam Splitters: Precision, Applications, and Design Principles Beam splitters are integral optical components that divide a beam of

Sep 13, 2025

Precision Beamsplitters & Quad-Channel Imaging

A beam splitter (or beamsplitter) is an optical component used to split incident light into two separate beams, typically based on wavelength or polarity. This precise

Nov 28, 2025

Beam splitter

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

Jan 19, 2026

Precise Dielectric Beamsplitters for Effective Light Separation

Utilising our thermally stable dielectric layers, we can produce beam splitters with custom splitting ratios, typically 50% / 50% (reflection/transmission) or even 30% / 70% (R/T). Due to this precise production

Aug 24, 2025

How Beamsplitters Work: Types, Mechanisms, and

This article explains the working principles of beamsplitters, detailing how they divide a beam of light into two separate paths, the different types of

Dec 30, 2025

Fiber Optic Red Light Pen RLP

The LBTEK Fiber Optic Red Light Pen is a handheld visual fault locator used for testing fiber optic cables. The 650 nm visible red laser source identifies breaks, sharp bends, and bad splices in single

Sep 06, 2025

Precision Beamsplitters & Quad-Channel Imaging

Our selection includes plate and cube designs, offering polarizing, non-polarizing, and dichroic options. All our custom beam splitters are made from premium glass,

Mar 27, 2026

PBS for red, blue and green lasers | Opt Lasers

Polarization beam splitters are used to combine or split laser beams of the same wavelength but different polarization states. P-polarization is transmitted through the polarization beam splitter, while

Jul 14, 2025

HAILE Red Light Pen 5mw Fiber Optic Test HJ-650H-5 | Universal

Its strong 5mW red laser output enables technicians to locate fiber breaks and verify continuity with ease, even over distances up to 5 kilometers. Supporting multiple connector types (SC, FC, ST), this

Apr 02, 2026

Y3 Handheld Optical Power Meter & Red Light Pen All

The Y3 Handheld Optical Power Meter & Red Light Pen combines precision testing and fault locating. Ideal for FTTH, CATV, and network

Nov 16, 2025

RPEN-110

The Visual Fault Locator (VFL) Pen has a visible red light source centered at 650nm. The tool sends visible light over a fiber strand with a 10mW power, good enough

Dec 06, 2025

Beam Splitters

Beam splitters can be polarizing or non-polarizing, with their effectiveness often depending on the polarization state of the incoming light. Additionally, some beam splitters are designed for specific

Jun 24, 2026

10mW 650nm Red Light Pointer Pen Continuous Line

Designed with red color light, which is easier for you to find the and outlight the key point. Use your pointer to point at any desired targets on projection screens,

Jul 17, 2025

All You Need to Know About Beam Splitters

At its essence, a beam splitter is a device that can direct light into two unique paths. Most beam splitters are fabricated from glass cubes. When a light

Apr 23, 2026

RPEN-210 Visual Fault Locator Pen 10mW 650nm

The Visual Fault Locator (VFL) Pen has a visible red light source centered on 650nm. Tool sends visible light over a fiber strand with a 10mW power, good

Sep 10, 2025

DirectGlow XL Invisible Red UV Blacklight Reactive Ink

This discounted 3 pack of UV blacklight reactive invisible red ink large tip markers use a high quality semi permanent invisible ink. Perfect for identification marking,

Dec 14, 2025

Fiber Optic Red Light Pen Tester VFL (Visual Fault

This pen shaped visual fault locator is a tool used on terminated fiber optic cables to locate sharp bends or breaks in jacketed or bare fiber. Note: Meant for use with

Aug 21, 2025

Optical Beamsplitters | Beamsplitter Selection | Edmund

Light can be split by percentage of overall intensity, wavelength, or polarization state. Edmund Optics offers plate, cube, pellicle, polka dot, or specialty prism

Dec 31, 2025

Visual Fault Locator, RISEPRO Red Light Pen 10mV Fiber Optic

Description RISEPRO® 10mW (8-12KM)visual fault locator is used for the measurement in single-mode or multi-mode fibers. 650nm Pen-type Visual Fault Finder for fiber tracing, fiber routing and continuity

Contact Us

For more information, pricing, or custom solutions, please contact us:

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