

# 86142b Spectrometer



## Overview

The Keysight 86142B is a benchtop optical spectrum analyzer (OSA) that is best suited for WDM component and system test applications where power and wavelength accuracy, dynamic range and low polarization dependency are critical. The high performance capability combined with the advanced feature. The wavelength calibrator option provides an onboard wavelength reference that can be used to automatically calibrate the optical spectrum analyzer. Both benchtop and portable models are available at different price and performance points so you can choose the. The distinction between specifications and characteristics is described as follows:

- Specifications describe warranted performance.
- Characteristics provide useful, but non-warranted information about the function.

The temperature range is 0 ° to 55 °C and relative humidity < 95 % (unless otherwise). Exhibits excellent speed and dynamic range with convenient and powerful user interface. Wavelength - filtered signal can be coupled to a single-mode fiber output for tunable-filter and channel-drop applications. It calls attention to a procedure which, if not correctly performed or adhered to, could result in injury or loss of life.



## Article Content

Aug 04, 2025

86142B Keysight / Agilent

Specifications : 86142B Keysight / Agilent Optical spectrum analyser 600 to 1700nm, color TFT, high performance, 90dBm sensitivity and 70 dBm dynamic range, GPIB

Dec 03, 2025

Agilent HP 86142B 86142a 86140a 86140b Optical

The Agilent 86142B is a benchtop optical spectrum analyzer (OSA) that is best suited for WDM component and system test applications where power and wavelength

Dec 02, 2025

Agilent HP 86142B 600 nm to 1700 nm Optical Spectrum Analyzer

Product Description The Agilent 86142B Optical Spectrum Analyzer (OSA) is best suited for WDM component and system test applications where power and wavelength accuracy, dynamic range and

Mar 16, 2026

HP Agilent Keysight, 86142B

The Agilent 86142B is a benchtop optical spectrum analyzer (OSA) that is best suited for WDM component and system test applications where power and wavelength accuracy, dynamic range and

Apr 19, 2026

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Agilent Technologies 86142B: User Manual | Brand: Agilent Technologies | Category: Measuring Instruments | Size: 7.29 MB | Pages: 290

May 14, 2026

Agilent 86142B Optical Spectrum Analyzer

Agilent 86142B Optical Spectrum Analyzer. Technical Overview. Characteristics and specifications. The distinction between specifications and characteristics is described as follows: • Specifications describe

Dec 16, 2025

Agilent 86142B and 86146B Optical Spectrum Analyzers

Agilent 86142B & 86146B Options (available on new instruments only) ... 1. \*  
8614xBI002 and 004 are mutually exclusive Table 9.

Jul 27, 2025

Keysight 86142B for Sale|Optical Spectrum Analyzers (OSA)|Fiber

Keysight 86142B 600 nm to 1700 nm Optical Spectrum Analyzer and other Optical Spectrum Analyzers (OSA) for sale at Test Equipment Center. Keysight 86142B products for sale at Test Equipment

Jul 28, 2025

86142B Agilent (Benchtop High-Accuracy Optical Spectrum Analyzer ...

The Agilent 86142A / 86142B optical spectrum analyzers are high performance benchtop instruments that offers a combination of flexibility, high accuracy, and throughput for both research and

Dec 13, 2025

AGILENT TECHNOLOGIES 8614 B SERIES USER

View and Download Agilent Technologies 8614 B Series user manual online. Optical Spectrum Analyzer. 8614 B Series measuring instruments pdf manual download.

May 25, 2026

Keysight 86142B Optical Spectrum Analyzer

86142B-006 Wavelength Calibrator The wavelength calibrator option provides an onboard wavelength reference that can be used to automatically calibrate the optical spectrum analyzer.

Aug 15, 2025

Agilent 86142B and 86146B Optical Spectrum Analyzers

Dispersion penalty calculation software combines 86146B and 86100C to measure time-resolved chirp and calculate dispersion penalty. Specifications describe warranted performance. Characteristics

Sep 16, 2025

Agilent/Keysight 86142B

Buy, sell, rent, or repair Optical Spectrum Analyzer like the 86142B Agilent Keysight and other test and measurement equipment. Shop Alltest and save on benchtop

Jul 11, 2025

Keysight 86142B Datasheet

86142B-006 Wavelength Calibrator The wavelength calibrator option provides an onboard wavelength reference that can be used to automatically calibrate the optical spectrum analyzer.

Nov 10, 2025

Keysight-Agilent 86142B

Keysight-Agilent 86142B The Keysight 86142B is an optical spectrum analyzer for WDM component and system test applications where power and wavelength accuracy, dynamic range and low polarization

Feb 01, 2026

Agilent 86142B

Agilent-Keysight 86142B High Performance Optical Spectrum Analyzer Agilent HP 86142B Optical Spectrum Analyzer The 86142B is a benchtop optical spectrum analyzer that is best suited for WDM

Feb 10, 2026

Agilent 86140B Series User Guide | AI Chat & PDF | Manualzz

Below you will find brief information for 86140B, 86141B, 86142B, 86146B, 86143B, 86144B, 86145B. The Agilent 86140B series of optical spectrum analyzers offer fast, accurate spectral analysis.

Jul 13, 2025

HP/Agilent 86142B/004/006

The Agilent 86142B is a benchtop optical spectrum analyzer (OSA) that is best suited for WDM component and system test applications where power and wavelength

Nov 25, 2025

Agilent 8614xB Series Optical Spectrum Analyzer User's Guide

It calls attention to a procedure which, if not correctly performed or adhered to, could result in injury or loss of life. Do not proceed beyond a warning sign until the indicated conditions are fully understood

Aug 18, 2025

Agilent 8614xB Optical Spectrum Analyzer Family

Both benchtop and portable models are available at different price and performance points so you can choose the most cost effective solution to meet your test needs. The specifications apply to all

Jul 27, 2025

## Keysight / Agilent 86142B

The Agilent 86142B is a benchtop optical spectrum analyzer (OSA) that is best suited for WDM component and system test applications where power and wavelength accuracy, dynamic range and

Dec 30, 2025

### 86142B High Performance Optical Spectrum Analyzer

The Keysight 86142B is a benchtop optical spectrum analyzer (OSA) that is best suited for WDM component and system test applications where power and wavelength accuracy, dynamic range and

## Contact Us

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