

KEYSIGHT TECHNOLOGIES (AGILENT HP)

86142A

The Agilent/Keysight 86142A is a high-performance benchtop Optical Spectrum Analyzer (OSA) designed for R&D and manufacturing applications. Part of the 86140A family, it offers excellent wavelength accuracy, sweep speed, and measurement throughput for analyzing optical components, DFB/FP/LED sources, and WDM networks.

SPECIFICATIONS

General

Display	Color active matrix LCD
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Wavelength Specifications

Wavelength Range	600 nm to 1700 nm
Span Range	0.2 nm to 1100 nm, and 0 nm (zero span)

Optical Inputs and Connectivity

Compatible Fiber Types	9/125 μm single-mode fiber
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System Connectivity and Interfaces

Internal Floppy Disk Drive	3.5-inch MS-DOS compatible, 1.44 MB format
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Measurement and Analysis Software Features

Automatic WDM Analysis Mode	Supported (multi-channel power, wavelength, OSNR testing)
DFB Laser Analysis Mode	Supported (SMSR, peak wavelength, bandwidth testing)
FP-Laser Analysis Mode	Supported (mean wavelength, FWHM, total power)
LED Analysis Mode	Supported (peak wavelength, mean wavelength, FWHM)

TECHNOLOGY

Optical Grating

APPLICATIONS

Fiber Optic Characterization, WDM Network Analysis, EDFA Testing

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.