ADVANTEST

Q8344A

The Advantest Q8344A is an Optical Spectrum Analyzer designed with a Michelson interferometer-based Fourier spectrum analysis approach. This unique design enables the direct measurement of optical coherence length, a capability not typically found in conventional diffraction-type monochromator spectrum analyzers. It covers a broad wavelength range of 350 nm to 1750 nm, making it highly suitable for evaluating semiconductor lasers and optical fiber components.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488)
Display	Built-in CRT display

Wavelength Specifications

Wavelength Range	350 nm to 1000 nm
Minimum Wavelength	350 nm
Maximum Wavelength	1000 nm

Analysis and Application Software

Coherence Measurement Capabilities	Direct coherence length measurements

Key Features

Measurement Approach	Fourier spectrum analysis using a Michelson interferometer

TECHNOLOGY

Fourier Transform Spectroscopy (Michelson Interferometer)

APPLICATIONS

Direct coherence length and spectral analysis of semiconductor lasers