

Specifications in brief

Spectral values

Wavelength	350 to 1750 nm
Resolution (spacing between two testpoints)	0.001 nm at 500 nm 0.01 nm at 1550 nm
Measurement accuracy	±0.01 nm, the wavelength in a vacuum is indicated
Measurement principle	Michelson interferometer with HeNe reference laser
Span	0.1 to 1400 nm

Level

Sensitivity	
700 to 1600 nm	-65 dBm
450 to 1700 nm	-52 dBm
350 to 1750 nm	-42 dBm
Max. input level	+10 dBm
Measurement accuracy	±2 dB
Polarization dependence	±0.8 dB
Linearity	±0.5 dB/10 dB ±1.0 dB/25 dB
Scale	0.2 to 10 dB/division, 1/2/5 steps, linear

Processing

Measurement time	1 to 3.5 seconds per measurement depending on setting
Memory	16 curves, 10 instrument setups, 3 ½" disk drive

Analysis

coherence to 165 mm, X dB bandwidth, peak wavelength, curve fitting, etc

Interfaces

Optical connector	FC/PC with internal 50/125 µm graded-index fiber, connector adaptable
Remote control	IEC625 (IEEE488)
Printer	built-in printer (standard) or output to plotter via IEC/IEEE bus

General data

Power supply	220 to 240 V, 48/66 Hz, 260 VA
Dimensions (W x H x D)	424 mm x 335 mm ^{*)} x 500 mm
Weight	^{*)} total height of both parts 36 kg in total

Ordering information

Optical Spectrum Analyzer

Q8347

Extras

5 rolls of printer paper	A09075
Adaptation of optical input to DIN	Q8347-DIN
19" Rack Adapter (please order both numbers)	A02728 and A02732