Specifications

		Single-pass monochromator mode	Double-pass monochromator mode
Applicable fiber		SM to 800µm diameter fiber	SM, GI (50/62.5µm)
Measurement wavelength range		350 to 1750nm	
Wavelength span		0 to 1500nm	
Wavelength accuracy		±0.05nm (25 ± 5°C, 10/125 SM fiber) ±0.05nm (1510 to 1570nm, 10/125 SM fiber)	
Wavelength linearity		±0.02nm (1510 to 1570nm, 10/125 SM fiber)[1]	
Wavelength reproducibility		±0.005nm (1 minute)	
Wavelength resolution		0.05 to 10nm	
Measurement level range [2]		-90 to +20dBm (1000 to 1600nm) -85 to +20dBm (600 to 1000nm) -75 to +20dBm (350 to 1750nm)	-85 to +20dBm (1200 to 1600nm) -80 to 20dBm (600 to 1200nm) -65 to +20dBm (350 to 1750nm)
Level accuracy [3]		±0.3dB (at 633/1310/1550nm)	
Polarization dependency [4]		±0.1dB (at 1310/1550nm)	±0.05dB (at 1310/1550nm)
Linearity [5]		±0.05dB (0 to -40dBm), ±0.2dN (0 to –60dBm)	
Level scale		0.1 to 10dB/div. And linear	
Dynamic range (stray light level) [6]		40dB (± 1nm, 633/1152/1523nm 35dB (± 0.5nm, 633/1152/1523nm)	70dB (± 1nm, 633/1152/1523nm) 60dB (± 0.5nm, 633/1152/1523nm)
Sweep time [7]		0.5 s. or less (span 500nm or less) 2.5 s. or less (full span)	
Functions	Measurement	Automatic measurement, marker-to-marker sweep measurement, averaging, pulsed light measurement function. Power meter function	
	Display	3D display, split (dual) display	
	Individual 3 trace memories	Max./min. hold, data calculation (addition, subtraction, division), normalize, Dominant, curve-fit display, power density display function, dBm/km, % level scale	
	Data analysis	Peak/bottom searches, specral width search, SMSR search. Marker to marker power measurement function, optical amplifier NF measurement function, color analysis function, WDM analysis function, notch width measurement function	
	Other	Program function (200 steps×20 programs), wavelength calibration function, calendar/date function, help function, user key define function, label function	
Optical output [8]		Resolution setting range: 0.05 to 10nm Insertion loss: 20dB or less (1310/1550nm) Optical fiber: GI 50/125µm	
Memory	FDD	Traces, analysis data and programs on 3.5-inch FD (1.2/1.44Mbyte)	
	Internal memory	Traces and measurement conditions (32 traces), 20 programs	
Data Output	Printer	High-speed built-in printer	
	Plotter	Direct output to XY plotter	
Interfaces	GP-IB	2 ports	
	Other	Sweep trigger input (TTL), sample trigger input (TTL), sample trigger output (TTL) Sample enable input (TTL), 270Hz output (TTL), analog output (0-5V), Video output (VGA compatable)	
Display		9.4-inch color LCD, resolution 640×480 dots	
Optical input connector		FC (standard) SC, D4, W/E, ST, DIN, etc.	
Power requirements		AC100V to 120V, 200V to 240V, 48 to 83Hz, approx. 200VA	
Environment		Operating temperatures: 5°C to 40°C Storage temperatures: -10°C to 50°C Humidity: 80% or less (no condensation)	
Dimensions and mass		Approx. 425 (W) ×222 (H) × 450 (W) mm, approx. 30kg	
Accessories		Power cord: 1ea, 3.5-incn FD: 2ea, recording paper: 2ea, instruction manual: 1ea	

Note that device adapters, quartz cells for liquid measurement, parallel beam mounts, and white light sources are optional. Please consult with your vendor separately.

*These specifications are for products delivered later than October 1997

NOTE:

[1] After power-on and more than two hours of warm-up, within 24 hours from wavelength calibration with 1523nm HE-NE laser.

[2] At 25 ± 5°C. Resolution 0.5nm or more.

[3] 10/125 SM fiber, 25 ± 5°C, input level -30dBm or more

[4] 10/125 SM fiber, 25 ± 5°C, resolution 0.5nm or more

[5] 25 ± 5°C, sensitivity HIGH 3.

[6] 10/125 SM fiber, 25 ± 5°C, resolution 0.05nm, excluding high-order and low0order harmonics

[7] Single-trace display, sampling points: 501, sensitivity NORMAL HOLD. Average time: 1, no changes of diffraction order within sweep range except the full span

[8] AQ6315B only

Specifications are subject to change without notice.