

## Specifications

Applicable fiber		Single mode fiber (10/125 μm)
Wavelength range		1200 to 1700 nm
Wavelength accuracy <sup>1)</sup>		±0.02 nm (1520 to 1580 nm), ±0.05 nm (1580 to 1620 nm), ±0.3 nm (1200 to 1700 nm)
Wavelength linearity <sup>1)</sup>		±0.01 nm (1520 to 1580 nm), ±0.02 nm (1580 to 1620 nm)
Wavelength reproducibility <sup>1)</sup>		±0.005 nm (1 min.)
Wavelength resolution <sup>1)</sup>		0.05 nm or less (Resolution setting: 0.05 nm, 1520 to 1620 nm) 0.1 nm or less (Resolution setting: 0.1 nm, 1520 to 1620 nm) Resolution setting: 0.05, 0.1, 0.2, 0.5, 1.0 nm Resolution accuracy: ≤ ±5 % (Resolution setting: ≤ 0.2 nm)
Measurement level range <sup>1)</sup>		-90 to +20 dBm (1200 to 1600 nm, sensitivity: HIGH 3) -80 to +20 dBm (1600 to 1700 nm, sensitivity: HIGH 3)
Level accuracy <sup>1, 2, 3)</sup>		±0.3 dB typ. (1550 nm, 1600 nm)
Polarization dependency <sup>1, 3)</sup>		±0.05 dB (1550 nm, 1600 nm)
Level linearity <sup>1, 3)</sup>		±0.05 dB (Input level: 0 to -50 dBm, sensitivity: HIGH 1 to 3)
Level flatness <sup>1, 3)</sup>		±0.1 dB (1520 to 1580 nm) ±0.2 dB (1520 to 1620 nm)
Level reproducibility <sup>1, 3, 5)</sup>		±0.02 dB (1550 nm, 1600 nm)
Dynamic range <sup>1, 4)</sup>		55 dB or more (1523 nm, peak: ±0.4 nm, resolution: 0.05 nm) 40 dB or more (1523 nm, peak: ±0.2 nm, resolution: 0.05 nm)
Return loss		30 dB typ. (1550 nm, 1600 nm)
Sweep time		Approx. 0.5 sec. (Span: 50 nm, sensitivity: NORMAL HOLD, number of sampling: AUTO, average: 1)
Functions	Measurement condition	Auto-configuration by auto-sweep sensitivity (NORMAL HOLD/AUTO, HIGH 1/2/3), averaging, number of sampling, (11 to 20001, AUTO), sweep between markers, 0-nm sweep, pulse light measurement
	Trace display	3 individual traces (Max/Min, rolling average, data calculation), frequency/wavelength axis
	Data analysis	WDM, EDFA, PMD, SMSR, search (Peak, Bottom), spectral width, notch-width, delta-marker, line marker
	Others	Program, long-term measurement, wavelength self-calibration
Memories	FDD (3.5-inch 2HD)	Max. 120 traces
	Internal memory (2MB)	Max. 200 traces
	File type	Trace, programming, measurement condition, text (trace, analysis data, etc.), graphics (BMP, TIFF)
Printer		Built-in high-speed printer
Interfaces		GP-IB, RS-232C, Keyboard (IBM compatible), Mouse (PS/2), Video (SVGA) 7), Printer (Centronics), PCMCIA (1 x Type 3 or 2 x Type 2)
Display		8.4-inch color LCD (800 x 600 dots)
Applicable Connector		AQ9441 (FC) Universal Adapter 6)
Power requirements		AC100 to 120 V, AC200 to 240 V, 48 to 63 Hz, approx. 100 VA
Environmental conditions		Operating temperature: 0 to 50 °C Storage temperature: -20 to +60 °C Humidity: 90 % RH or less (no condensation)
Dimensions and mass		Approx. 315(W) x 200(H) x 255(D) mm, approx. 10 kg
Accessories		Power cord: 1, printer paper: 2 rolls, instruction manual:1, floppy disc: 2

### Notes

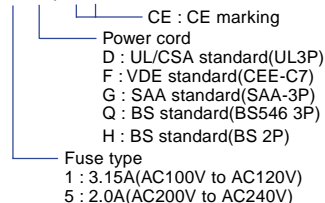
- 1) SMF 10/125 μm, after 2-hour warm-up, 10 to 35 °C  
2) Input level: -30 dBm, sensitivity: HIGH 1 to 3  
3) Resolution: 0.1 nm or more  
4) 1523 nm, resolution 0.05 nm, sensitivity: HIGH 1 to 3

- 5) Input level: -23 dBm, 1 min.  
6) FC standard, SC and ST connectors are available  
7) Can be displayed on either the AQ6331 LCD or external monitor when Video output (SVGA) is connected.

## Model

Product name : AQ6331 Optical Spectrum Analyzer

Model : 810804300-□-□ / □□



## Accessory

Print paper (Roll Type)

Parts Number : 955-892900215(model name : TP-312C)

### NOTICE

- Remarks : Export condition is subject to Japanese governmental approval. Specifications are subject to change without notice.

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