

Optical Measuring Instruments and Optical Device Test Systems

Selection Guide

Product Type	Model	Optical Telecommunication	Optical Fiber					Passive Device		Active Device										Optoelectronic Systems		Quality Assurance				
		Transmission Quality, Error Rate of Optical Fiber Amplifiers	Gain and NF of EDFA	Loss in Fibers	Loss at Connection Points of Fibers	Wavelength Characteristics of Loss in Fibers	Cut Off Wavelength of SM Fibers	Loss in Couplers, Filters and Attenuators	PDL of Couplers and Filters	Wavelength Characteristics of Couplers and Filters	Output Power of LD's and LED's	Output Power of High Power LD's	Spectrum Analysis of LD's and LED's	Central Wavelength of LD's and LED's	Coherence Analysis of CL, and LD's for Laser Disks	SMSR of DFB-LD's	Chirp Characteristics of External Modulators	Chirp Characteristics of DFB-LD's	FM Characteristics of DFB-LD's	RIN Characteristics of LD's for Optical CATV	Read/Write Power of Optical Disks	Read/Write Waveform of Optical Disks	Spectrum Analysis of Display Units	Spectrum Characteristics of Illumination Equipments	Calibration of Optical Power	Calibration of Optical Wavelength
Optical Multi Power Meter	Q8221	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>														<input type="checkbox"/>	
Optical Power Multimeter	TQ8215			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>										<input type="checkbox"/>	<input type="checkbox"/>					
Optical Power Meter (Portable type)	TQ8210			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>										<input type="checkbox"/>						
LD-LED Light Source	Q8221		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>																			
Variable Wavelength Light Source	Q8155A						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>	
Optical Chirp Test Set	Q7607															<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Optical Polarization Scrambler	Q8163							<input type="checkbox"/>																		
Optical Spectrum Analyzer	Q8344A				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										<input type="checkbox"/>			
Optical Spectrum Analyzer	Q8347				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>							<input type="checkbox"/>			
Optical Spectrum Analyzer	Q8381A	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>			
Optical Spectrum Analyzer	Q8384	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>											
Optical Wavelength Meter	Q8326											<input type="checkbox"/>													<input type="checkbox"/>	
Multi Wavelength Meter	Q8331											<input type="checkbox"/>													<input type="checkbox"/>	
3.6GHz Transmission Analyzer	D3371	<input type="checkbox"/>																								
Bit Error Rate Test System	D3186/3286	<input type="checkbox"/>																								
Optical Network Analyzer	Q7760		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>																	
LD Test System	Q8611																									

Model	Q8344A	Q8347	Q8381A	Q8384
Interference Method	Michelson Interferometer	Michelson Interferometer	Grating Czerny-Turner single-pass monochrometer	Grating Czerny-Turner double-pass monochrometer
Measurement Range	350 to 1750 nm	350 to 1750 nm	350 to 1750 nm	600 to 1700 nm
Resolution	0.1 nm (at 1300 nm)	0.001 nm (at 550 nm) 0.01 nm (at 1550 nm)	0.1 nm	0.01 nm
Accuracy	±0.1 nm	±0.01 nm	±0.5 nm	±0.02 nm
Level Range	-70 to +10 dBm (at 700 to 1600 nm)	-65 to +10 dBm (at 700 to 1600 nm)	-85 to +10 dBm (at 1100 to 1600 nm)	-87 to +23 dBm (at 1250 to 1610 nm)
Dynamic Range		35 dB or more (value between peak and average display noise level)	40 dB (1 nm)	67 dB (0.4 nm)
Level Accuracy	±2.0 dB	±0.7 dB (at 1310, 1550 nm)	±1.5 dB	±0.4 dB
Polarization Dependence		±0.1 dB or less	±0.1 dB or less	±0.05 dB or less
Coherence Measurement	○ (10 mm)	○ (165 mm)	—	—
Pulse Light Measurement	—	—	○	○
Optical Frequency Display	—	○	—	○
Applications				
Spectrum Analysis of Visible LD's	○	○	○	
Coherence Analysis of Visible LD's	○	○		
Spectrum Analysis of Visible LED's	○	○	○	
Spectrum Analysis of Infra-Red FP-LD's	○	○	○	○
Spectrum Analysis of DFB-LD's				○
Spectrum Analysis of Infra-Red LED's	○	○	○	○
Analysis of Optical Fiber Amplifiers			○	○
Analysis of Filters	○	○	○	○
Analysis of Narrow-Band Filters		○	○	○
WDM/Optical FDM		○	○	○
Frequency Range Analysis of Ultra High Speed Modulated Light		○		○
Spectrum Analysis of Display Units			○	
Spectrum Analysis of Illumination Equipments	○		○	
Spectrum Analysis of Spatial Emission Light	○		○	