



Discover What's Possible™

Anritsu

ME7894A

Optical Component Tester



For Evaluating Optical Devices

- Covers C to L bands (1510-1640nm)
- Waveform analysis
<Center wavelength, insertion loss etc.>
- PDL measurement
- Return loss measurement

● ME7894A Optical Component Tester

Configuration instruments		MG9541A*1, MT9810B, MU931002A + MA9332A/MA9333A	
Wavelength range		1510 to 1640 nm (>130 nm)	
Wavelength setting resolution		1 pm	
Absolute wavelength accuracy		±55 pm (Valid for 10 h after wavelength calibration and at constant temperature)	
Wavelength repeatability		±35 pm (constant temperature)	
Loss measurement*2	Dynamic range*4	≥50 dB (1530 to 1580 nm/1570 to 1625 nm) ≥47 dB (1530 to 1625 nm) ≥35 dB (1510 to 1640 nm)	
	Measurement time*5	≤10 s	
PDL measurement*3	Option	ME7894A-04 option (PDL9912)	ME7894A-05 option (Q8163)
	Wavelength range	1510 to 1600 nm	1510 to 1580 nm
	Measurement time*6	≥20 s	≥5 s
	Measurement accuracy*7	±0.03 dB (with using MA9332A) ±0.025 dB (with using MA9333A)	
Return loss measurement*3	Option	ME7894A-06 option (light source: MG9541A)*8	ME7894A-07 option (light source: MU954501A)
	Wavelength range	1530 to 1625 nm	1550 ±20 nm (central wave length)
	Measurement range	≥50 dB	≥60 dB

*1: In case of no designation, condition is below.

Coherence control: off, 1st output or 3rd output of MG9541A, attached annexed terminator with 2nd output of MG9541A

*2: In case of using 3rd output of MG9541A

*3: In case of using 1st output of MG9541A

*4: Range: auto, VBW: Auto, Average: off

*5: 2 ch, wavelength sweep range = 20 nm, sweep pitch = 0.004 nm, measurement point = 5001, range = fixed, VBW = auto, Average = off

*6: In condition we recommended

*7: Optical power range: +7 to -30 dBm

*8: Coherence control: on

● MX789401A Optical Component Tester Application Software

Function	Wavelength analysis: peak wavelength, center wavelength, bandwidth, insertion loss, ripple, channel isolator, notch wavelength, notch width, coupling ratio, excess loss, uniformity, marker PDL measurement, return loss measurement, directivity measurement, OK/NG evaluation, measured data save, measured data printout
Operating environment	Personal Computer compatible with IBM-PC AT, CPU: Equivalent to Intel Celeron 500 MHz or higher processor, memory: 64 MB minimum (128 MB or more recommended), After installed, HDD: Install size: 9 MB at least 100 MB of free space, display: 1024 x 758 pixels, OS: Microsoft Windows 98SE/Me/2000, interface: PCI-GPIB or PCMCIA-GPIB (National Instruments products)

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● Ordering Information

Model/Order No.	Name
B0511	System rack(with B0498)

For the details, please refer to the individual data sheet.



Specifications are subject to change without notice.

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