Optical Measuring Instruments and Optical Device Test Systems To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc.

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Q7770



Q7770

Opposed-Type Chromatic Dispersion Analyze

Overview

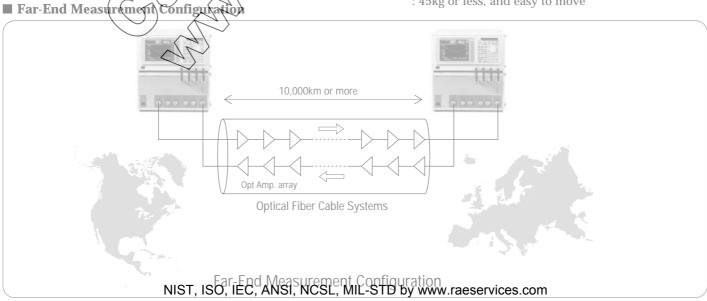
Optical long-distance wavelength division multiplexing (WDM) Communication systems are increasingly being used in industrial applications, chromatic dispersion (CD) in optical devices or fibers must be managed. Demand is greater than ever for instruments able to measure chromatic dispersion in both only near-end (optical devices) measurement but also far end (installed optical fiber transmission systems) measurement. \Early CD Ana-ADVANTEST has developed the new lyzer" which is based on the

Capable of far-end and near-end measurements:

Max. fibe distance

: 10,000km or more Far-end Near-end: 20,000km or more

- Wide Measurement Wavelength Range
 - : 1530 to 1600nm
- Optical Frequency Resolution
 - : 0.001nm(step span) / 50MHz(sweep span)
- Group Delay Fitting method
 - : Quadratic fit / 5 term Sellmeier fit / 3 term Sellmeier fit
- Compact and Simple Operation
 - : 45kg or less, and easy to move

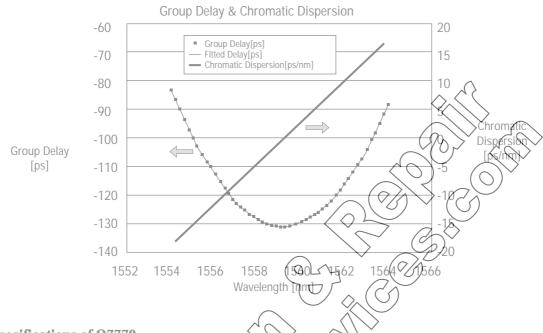


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■ Example of Measured Result



■ Major Specifications of Q7770

Items	Specifications
Measurement functions	Magnitude Group delay Chromatic dispersion Chromatic dispersion slope
Measurement wavelength range	Files I snorth measurement
Absolute wavelength accuracy	±2ppm (without wavelength meter) ±2ppm ±1pm (with optical wavelength meter Q8326 ADVANTEST)
Optical output power (Ave.)	-15dBm or more
Modulation requency range	40MHz to 3GHz
Group delay time resolution	0.1ps
Fiber length measurement range	0.2m to 10,000km
Fiber length measurement resolution	0.02mm or 0.01% of measured length
Operating environment	15°C to 35°C
	Relative humidity 85% or less
Power	AC100V to 120V, 220V to 240V
	50Hz/60Hz, 610VA or less
Dimensions	approx. 424(W) × 440(H) × 500(D)
Mass	45kg or less