Total Solution for Optical Module Evaluation
Reduce Inspection Times and Improves Productivity

BERTWave MP2100B
Optical Spectrum Analyzer MS9740B/MS9740A

Reduce Initial Costs
- The all-in-one BERTWave MP2100B supports BERT and Eye-pattern analyses without requiring a separate BERTS and sampling scope.
- Combining the MP2100B with excellent cost-performance and the Optical Spectrum Analyzer MS9740A/B reduction initial setup costs.

Reduce Measurement Times
- The MP2100B built-in remote high-speed mode reduces remote measurement times by 30% compared to a conventional BERTS.
- The MS9740A/B reduces the time from waveform sweeping to data transfer by 70% compared to conventional models.

Eco-friendly Design
- The compact MP2100B design saves benchtop space.
- The MS9740A/B is both lighter (<15 kg) and more power saving (<75 VA) than conventional models.
What is BERTWave MP2100B?

![BERTWave MP2100B](image)

**10 GbE × 4ch**

**Big Value in Small Set**

**All in One**

- Built-in BERT and Scope
- Built-in 1ch to 4ch 12.5 Gbit/s BERT
- Pulse Pattern Generator (PPG) Jitter: 1 ps rms
- Error Detector (ED) Sensitivity: 10 mVp-p

**Short Measurement Times**

- Simultaneous 4ch BERT and Eye Pattern Measurements
- Simultaneous 4ch BER Measurements
- High-Speed Eye Mask Tests
- High-Speed BER Tests

**Full-Featured Analysis Functions**

- Wideband Operation Frequency
- Electrical and Optical Interfaces
- Jitter Analysis
- Clock Recovery

**Cost-Effective Investment**

- Flexible Measurement System Configuration
- Multi-channel BERT

What is Optical Spectrum Analyzer MS9740A/B?

**80% Reduce in Time from Waveform Sweeping to Data Transfer**

With a wavelength sweeping time of 0.2 s/5 nm (max.), the MS9740A/B reduces the total time from waveform sweeping to data transfer to external control equipment. It supports smooth, easy analysis of center wavelength, level, spectrum width, SMSR, and OSNR for evaluating optical modules.

**Features**

- <0.2 s/5 nm Wavelength Sweeping Time
- Optical Module Evaluation Menu (Center Wavelength, Optical Level, OSNR Analysis)
- 30 pm Minimum Resolution
- >58 dB Dynamic Range (0.4 nm from Peak Wavelength)