

Great Value: Powerful Features, Low Price, Small Size

Performance Matches Conventional OSAs Costing Much More

Measures OSNR Accurately Down to 35 dB

ITU Channel Monitoring Feature

Compact and Rugged for Field Testing

Built-in Laser Reference Calibration of Each Scan

Connect via PC, Smart Device or Wireless Internet Connection



| | |
|---|---|
| Wavelength (Frequency) Coverage | 1527 nm to 1568 nm (191.2 to 196.3 THz) |
| Absolute Wavelength (Frequency) Accuracy | ± 8 pm (1.0 GHz) ² |
| Optical Resolutions | Standard OSA lineshape ³ 2.3, 5.0, 8.4, 18, 46, 91,185 GHz Constant NEB lineshape ⁴ ≥2.42 GHz and ≥19.4 pm |
| Absolute Power Accuracy | ± 0.5 dB or better |
| Polarization Dependent Loss (PDL) | < 0.4 dB |
| Optical Power Handling | - 2.5 dBm (Operating Limit) +21 dBm (Damage Threshold) |
| Optical Noise Floor | Below -70 dBm (no input light) |
| Optical Return Loss | > 30 dB |
| Scan Speed⁵ | ~ 2.3 s, full C-band scan with spectral analysis ~ 0.6 s, ITU channel power and wavelength |
| Operating Conditions | Temperature: -5 to +70 °C Relative Humidity: 5 to 85% (non-condensing) ⁶ |
| Storage Conditions | Temperature: -40 to +85 °C Relative Humidity: 5 to 95% (non-condensing) |
| Power Supply | 12V/5A DC input from 100-240 VAC, 50 – 60 Hz, AC-DC converter (Power Consumption: < 6W) |
| Communication Interface | Wired: USB, Wireless: Bluetooth, Remote Client: LAN, cloud portal |
| Supported Operating Systems | Windows, Android |
| Dimensions | H=1.73" (44 mm), W=5.78" (147 mm), D=7.88" (200 mm) |
| Weight | < 2 lb (908 g) |

1. Subject to change at any time by New Ridge Technologies

2. For maintaining annual factory calibration and under normal operating conditions

3. Full width at half maximum (FWHM). Equivalent to the 4, 20, 40, 100 and 200 GHz resolution settings on the AQ6370D OSA.

4. Full width at half maximum (FWHM). NEB is constant for the entire scan, in either the frequency or the wavelength domains.

5. Using direct USB connection.

6. Based on Telcordia GR-1312-Core Standard

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