



Precision Rated Optics

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Manufactured, Serviced and Supported in the USA!

DWDM-LR / DWDM-HR Channel Analyzer



The PRO DWDM Optical Channel Analyzer is the most rugged and affordable full-featured Mini OSA on the market. It is designed for simple operation and is suited for field or lab use. Available in up to 88 channels for C or L bands, with 50 or 100 GHz channel spacing, it displays a full scan twice per second.

Offering high-end features such as Power Tilt for channel equalization and Gain Tilt to adjust EDFA gain flatness, the DWDM a real workhorse. One-button Auto-Test and a full set of selectable scale limits and thresholds makes zeroing in on channel measurements easy. For flexibility, the channels are selected by either wavelength or frequency and the information is displayed in graph or table mode on a 4" high-brightness color LCD TFT Touchscreen display.

The unit allows users to set Pass/Fail thresholds and can store up to 1,000 test results, which that can be downloaded onto a USB flash drive and documented with the included certification software for fast, easy reporting. The Onboard Help System guides new users through operations and assists in parameter settings. The PRO-DWDM Optical Channel Analyzer is housed in a ruggedized metal enclosure with a robust, protective boot.

- C-Band - Up to 88 Channels
- Maximum Composite Power 28 dBm
- Solid-State Optics
- 4" Color TFT Touchscreen
- VIP Port (Probe Optional)

DWDM Standard Package Includes:

Channel Analyzer, Universal AC/DC Power Supply/Charger with Adaptors for US, UK, CE and AU. Interchangeable FC and SC Adaptors, Windows-Compatible Software, USB Cable, Manual, Rubber Boot and Carrying Case

Ordering Information

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|-------------|---|
| OFT-DWDM-LR | C-Band 1530 - 1561nm (196.0 THz - 192.0THz) w/ VIP Port |
| OFT-DWDM-HR | L-Band 1574 - 1608nm (190.5THz - 186.3 THz) w/ VIP Port |

SPECIFICATIONS

| Item / Model No. | DWDM-LR | DWDM-HR |
|-----------------------------|---|--|
| Wavelength Range | C-Band 1530 ~1561nm (196.0 THz - 192.0THz) | L-Band 1574 ~ 1608nm (190.5 THz - 186.3 THz) |
| Channel Spacing | 50GHz, 100GHz | |
| Wavelength Accuracy | ±0.1nm | |
| Channel Power Range | +10dBm ~ -50dBm | |
| Absolute Accuracy | ±1 dB | |
| Max Composite Power | +28 dBm | |
| Polarization Dependent Loss | ±0.15dB | |
| Optical Rejection Ratio | 40dBc (@50GHz) | |
| Measurement Time | < 1/2 Second | |
| Readout Resolution | 0.01dB | |
| Return Loss | >40dB | |
| Optical Interface | Universal UPC (FC/SC) | |
| Graphical Display | Bar Graph and Table View | |
| Display | 4" Color TFT Touchscreen | |
| Battery | Rechargeable NiMH (4 hours Operating Time) | |
| Power | 100-240V Universal US, GB, EU, AU Mains | |
| Operating Temperature | 14°F ~ 122°F (-10°C ~ 50°C) | |
| Weight & Dimensions (HxWxD) | 7.62" x 3.88" x 1.56" (194 x 99 x 40 mm) | |
| Warranty | Standard 1-Year Manufacturer Warranty (Extended Warranty Available) | |