



OZ Optics

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Global Leader in Fiber Optic Products **SINCE 1985**

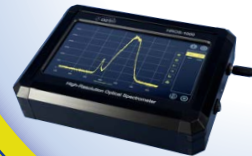


Polarization
Entangled Photon Sources

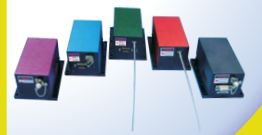


Fiber Optic Products for
Biophotonics Applications

High-Resolution
Optical Spectrometers



Turnkey OEM Laser
Diode Sources

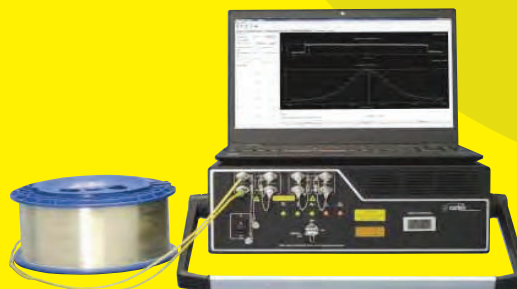


Test Equipment & Sensors

SHORT FORM CATALOG



Benchtop Intelligent Optical
Signal-to-Noise Ratio Generators



Fiber Optic Distributed Strain
and Temperature Sensors



Fiber Length Meters



Broadband Polarization
Entangled Photon Sources



Polarization Extinction Ratio
Measurement Systems



Backreflection Meters for
Non-Telecom Wavelengths



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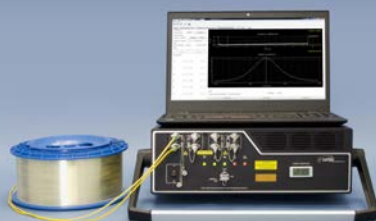


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1



Fiber Optic Distributed Strain and Temperature Sensors

Up to 200 km Fiber Length
 Up to 0.1 meter, 0.1°C, 2 μ s Accuracy
 Uses Standard Telecom Fiber

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Broadband Polarization Entangled Photon Sources

Quantum Computing, Imaging, Metrology
 Broadband Covering C&L Bands
 High Quality Polarization And Frequency

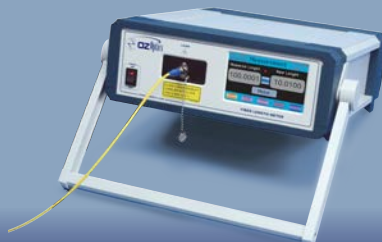
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Optical Signal-to-Noise Ratio Generators (OSNR)

BER, DWDM, Submarine Network Testing
 Automatically Set User Designated OSNR
 and Output Power Level Built-In Tunable Filter
 With Provision for External Filter

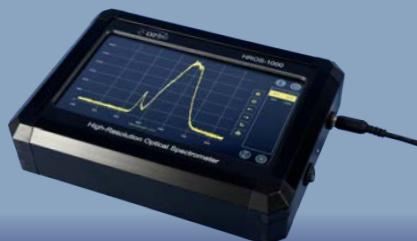
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Fiber Length Meters

Measures Length from a few mm to 500 m
 Better than 2 mm Resolution
 Less than 0.1% Measurement Error

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High-Resolution Optical Spectrometers

Rugged Design with Transmission Grating
 High Spectral Resolution and High SNR
 2nd Order Grating Noise Filter Suppression

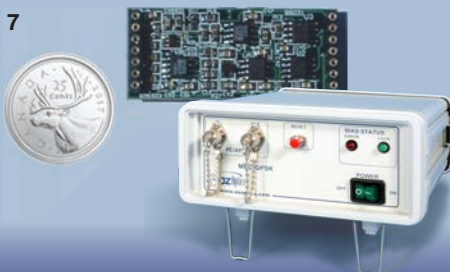
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Benchtop High Speed Polarization Controller/Scramblers

Continuous Control of Polarization
 Negligible Insertion and Return Losses
 Up to 2 kHz Response Speed

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Modulator Bias Controllers

Chip Sizes, Ditherless, High Extinction
 Many Versions are Available

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Laser Diode Analyzers

Touchscreen Plug-and-Play LDA with TEC
 LIV Curve with 0.1 mA Resolution up to 500 mA
 Built-in Smart Driver Protection

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OZPEN CO₂ Cleaning Unit for High Power Components

Designed to Clean Small Surfaces
 Superior to Other Cleaning Methods
 Quick Dry and Solvent-Free Cleaning Process

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Benchtop Fiber Optic Switches

1x2 to 1x8 Channels Configuration
 High Repeatability
 Fast Switching Time

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Rack Mount Fiber Optic Switches

1x12 to 1x36 Channels Configuration
 High Repeatability
 Fast Switching Time

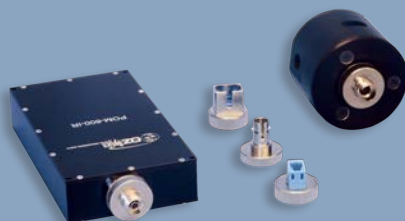
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Power Meter with Smart Detector Heads

85 dB Dynamic Range, Fast Response Time
 440–1700 nm Wavelengths, Built-in Attenuator
 Dual Detector Head Capability, USB Port

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Low Cost Smart Detector Heads

Low Cost
 Compact Size
 Interchangeable Connector Receptacles

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Handheld Optical Power Meters

Wide Dynamic Range -75 to +10 dBm
 Wide Wavelength Range 800-1650 nm, 400-900 nm
 Low Cost, Long Battery Lifetime

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Pocket Optical Power Meters

Slim and Compact Size
 Wide Wavelength Range
 Low Cost, Long Battery Life

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Handheld Polarization Extinction Ratio Meters

Measure up to 40 dB Extinction Ratio
 0.3 Degree Angle Resolution
 Up to 2 Watts, Broadband Wavelength Range

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Benchtop Polarization Extinction Ratio Meters

Measures up to 50 dB
 450–2400 nm Wide Wavelength Range
 0.5° Angle Accuracy

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Polarization Measurement Systems for V-Grooves

Measures Polarization Angle to ± 0.5 Degrees
 Measures Extinction Ratios up to 40 dB
 Measures Relative Power (650 Hz Sample Rate)

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Highly Stable Polarized Sources

As Good as 40 dB Extinction Ratio
 Pigtail and Receptacle Versions
 635–1625 nm Wavelengths

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Connector Video Microscopes

Easy-to-Use
 Up to 400x Magnification
 LC, FC, SC, E2000 or Other Custom Connectors

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Multi Channel Benchtop PDL Emulators

Wide Variable PDL Range
 Wide Wavelength Range
 4 to 16 (In Full Rackmount) Channels

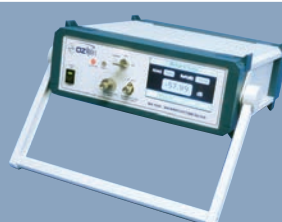
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Handheld Backreflection Meters

Sensitive to -70 dB
 1300/1550 nm Dual Wavelength Source
 Also Measures Insertion Losses

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Benchtop Backreflection Meters

Dual Wavelength Source Available
 633–1625 nm
 Non-Telecom Wavelengths
 Sensitivity to -75 dB

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Digital Variable Reflectors

Test Sensitivity to Backreflection
 -1 dB to -60 dB Backreflection
 USB Communications Interface

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Handheld Digital Variable Attenuators

0.01 dB Resolution, Fast Response Time
 0.6 dB to 60 dB Attenuation Range
 USB Communications Interface

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Benchtop Digital Multichannel Attenuators

High Power up to 2 Watts
 Up to 60 dB Attenuation Range
 350–2050 nm Wide Wavelength Range

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Rack Mount Electrically Controlled Variable Attenuators

High Power up to 2 Watts
 Up to 60 dB Attenuation Range
 350–2050 nm Wide Wavelength Range

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Handheld LED Sources

850, 1300, and 1550 nm Wavelengths Available
 Better than 0.01 dB Output Stability
 CW and Modulated Power Modes

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Handheld Laser Diode Sources

Compact, Low Cost, Internally Modulatable
 632–1625 nm Wavelengths
 Battery Operation, Power Adjustable

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Pen & Pocket Size Fault Locators

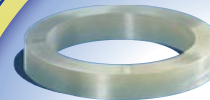
Detect Breaks In Fiber Optic Cables
 Use as an End-to-End Fiber Identifier, 635 nm
 Up to 10 mW, Inexpensive



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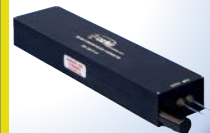
Fiber Optic Products for Gyroscope Applications



Polarization ER meters and Polarized Sources

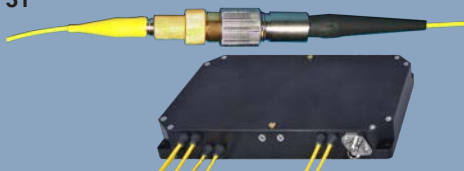


High Speed Polarization Controller/Scramblers



Optical Delay Lines

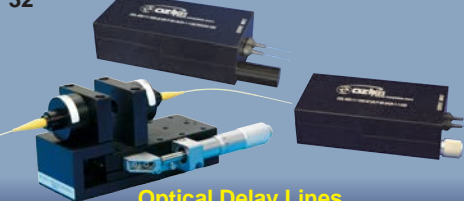
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OCT Module/Components

Complete Module or Separate Components
Such as, Broadband Isolators, Sources,
Attenuators, Collimators, Fused Splitters, Delay Lines

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Optical Delay Lines

Over 600 psec Delay Range, <1 dB Losses
0.001 psec Resolution
Motor Driven, Computer Controlled Versions

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OEM High Speed

Polarization Controllers & Scramblers

Continuous Control of Polarization
Negligible Insertion Losses and Return Losses
>30 kHz Response Speed at Resonance Frequency

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Digital Tunable Filters

< 1.2 nm Line Width, 0.1 nm Resolution
50 nm Tuning Range, Fast Response Time
USB Communications Interface

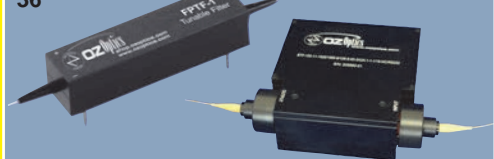
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**Polarization Entanglement
Tomography Analyzers**

Quantum Tomography Analyzer with a Controller & GUI
Quick and Precise Polarization State Rotators
Automation of Multi-Polarization State Analysis

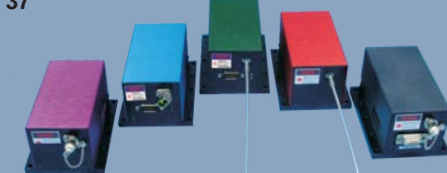
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**Motor Driven Variable
Bandwidth Tunable Filters**

45 nm Tunable Range
Flat Top Filter Shape
Polarization Insensitive

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Turnkey OEM Laser Diode Sources

Wavelength Range: 375–2000 nm
Externally Modulatable
Red, Green, Blue Combiner Versions Available

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**Fiber Optic Products
for Biophotonic Applications**

Wide Optical Fiber Component Offering for
BioPhotonics Application: Optical DNA Rapid
Detection System for Pathogens,
OCT, Spectrometers, WDM ect...

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ASE Broadband Light Sources

High Output Power up to 27 dBm (500 mW)
Covers C-band, L-band, or Both High Stability
and Unpolarized Output Light Optional Built-in
Attenuator and Optical Power Monitor



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