TEST EQUIPMENT & SENSORS
Short Form Catalog

Turnkey OEM Laser Diode Sources
Fiber Optic Distributed Strain and Temperature Sensors
Fiber Length Meter and Strain Sensor
OCT Modules and Components
Power Meter with Smart Detector Heads
OZPEN CO₂ Cleaning Unit for High Power Components

Global Leader in Fiber Optic Products since 1985
Fiber Optic Test Equipment & Sensors

**1. Fiber Optic Distributed Strain and Temperature Sensors**
- Up to 100 km Sensing Range
- Up to 0.1 meter, 0.1°C, 2 µm accuracy
- Uses Standard Telecom Fiber

**2. Fiber Length Meter**
- Measures Length from a few mm to 500 m
- Better than 2 mm Resolution
- Less than 0.1% Measurement Error

**3. Remotely Accessible Fault Finders**
- Identifies Locations of Breaks and Losses
- Real Time Continuous Monitoring, Low Cost
- USB Interface, Compact

**4. Handheld Laser Diode Sources**
- Over 300 psec Delay Range, <1 dB Losses
- 0.001 psec Resolution
- Motor Driven, Computer Controlled Versions

**5. Tunable or Fixed Optical Delay Lines**
- Over 300 psec Delay Range, <1 dB Losses
- 0.001 psec Resolution
- Motor Driven, Computer Controlled Versions

**6. 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

**7. OCT Module/Components**
- Complete Module or Separate Components
  - Such as, Broadband, Isolators, Sources,
  - Attenuators, Collimators, Fused Splitters, Delay Line

**8. Polarization Dependent Loss Emulator**
- 0.05 dB to 10.0 dB Polarization Dependent Loss
- Fixed or Manually Variable PDL
- Broad Wavelength Range, Compact, and Low Cost

**9. Optical Delay Lines**
- Over 300 psec Delay Range, <1 dB Losses
- 0.001 psec Resolution
- Motor Driven, Computer Controlled Versions

**10. Handheld LED Sources**
- 850, 1300, and 1550 nm Wavelengths Available
- Better than 0.01 dB Output Stability
- CW and Modulated Power Modes

**11. Handheld Laser Diode Sources**
- Compact, Low Cost, Internally Modulatable
- 652–1625 nm Wavelengths
- Battery Operation, Power Adjustable

**12. Intelligent Tunable Ultra Stable Laser Diode Sources**
- User Controlled Wavelength and Power Levels
- 0.1% Power Stability
- 4 nm Tuning Range, 0.001 nm Resolution

**13. ASE Light Sources**
- Up to 100 km Sensing Range
- Up to 0.1 meter, 0.1°C, 2 µm accuracy
- Uses Standard Telecom Fiber

**14. 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

**15. Ultra Narrow Linewidth Stable Laser Source**
- Low Noise, Narrow Linewidth: 1530–1565 nm
- Excellent SMSR (Side Mode Suppression Ratio)
- Tunable or Fixed

**16. Fiber Optic Test Equipment & Sensors**
- 632–1625 nm Wavelengths
- Battery Operation, Power Adjustable
- 0.1% Power Stability
- 4 nm Tuning Range, 0.001 nm Resolution

**17. Output Powers to 300 mW**
- Wavelength Range: 375–1625 nm
- Externally Modulatable

**18. Red, Green, Blue Combiner Versions Available**
- Polarization Dependent Loss Emulator
- 0.05 dB to 10.0 dB Polarization Dependent Loss
- Fixed or Manually Variable PDL
- Broad Wavelength Range, Compact, and Low Cost

**19. ASE Light Sources**
- Up to 100 km Sensing Range
- Up to 0.1 meter, 0.1°C, 2 µm accuracy
- Uses Standard Telecom Fiber

**20. Fiber Optic Distributed Strain and Temperature Sensors**
- Up to 100 km Sensing Range
- Up to 0.1 meter, 0.1°C, 2 µm accuracy
- Uses Standard Telecom Fiber

**21. Fiber Length Meter**
- Measures Length from a few mm to 500 m
- Better than 2 mm Resolution
- Less than 0.1% Measurement Error

**22. Remotely Accessible Fault Finders**
- Identifies Locations of Breaks and Losses
- Real Time Continuous Monitoring, Low Cost
- USB Interface, Compact

**23. Handheld Laser Diode Sources**
- Over 300 psec Delay Range, <1 dB Losses
- 0.001 psec Resolution
- Motor Driven, Computer Controlled Versions

**24. Tunable or Fixed Optical Delay Lines**
- Over 300 psec Delay Range, <1 dB Losses
- 0.001 psec Resolution
- Motor Driven, Computer Controlled Versions

**25. 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

**26. Ultra Narrow Linewidth Stable Laser Source**
- Low Noise, Narrow Linewidth: 1530–1565 nm
- Excellent SMSR (Side Mode Suppression Ratio)
- Tunable or Fixed

**27. Fiber Optic Test Equipment & Sensors**
- 632–1625 nm Wavelengths
- Battery Operation, Power Adjustable
- 0.1% Power Stability
- 4 nm Tuning Range, 0.001 nm Resolution

**28. Output Powers to 300 mW**
- Wavelength Range: 375–1625 nm
- Externally Modulatable

**29. Red, Green, Blue Combiner Versions Available**
- Polarization Dependent Loss Emulator
- 0.05 dB to 10.0 dB Polarization Dependent Loss
- Fixed or Manually Variable PDL
- Broad Wavelength Range, Compact, and Low Cost

**30. ASE Light Sources**
- Up to 100 km Sensing Range
- Up to 0.1 meter, 0.1°C, 2 µm accuracy
- Uses Standard Telecom Fiber

**31. Fiber Optic Test Equipment & Sensors**
- 632–1625 nm Wavelengths
- Battery Operation, Power Adjustable
- 0.1% Power Stability
- 4 nm Tuning Range, 0.001 nm Resolution

**32. Output Powers to 300 mW**
- Wavelength Range: 375–1625 nm
- Externally Modulatable

**33. Red, Green, Blue Combiner Versions Available**
- Polarization Dependent Loss Emulator
- 0.05 dB to 10.0 dB Polarization Dependent Loss
- Fixed or Manually Variable PDL
- Broad Wavelength Range, Compact, and Low Cost

**34. ASE Light Sources**
- Up to 100 km Sensing Range
- Up to 0.1 meter, 0.1°C, 2 µm accuracy
- Uses Standard Telecom Fiber

**35. Fiber Optic Test Equipment & Sensors**
- 632–1625 nm Wavelengths
- Battery Operation, Power Adjustable
- 0.1% Power Stability
- 4 nm Tuning Range, 0.001 nm Resolution

**36. Output Powers to 300 mW**
- Wavelength Range: 375–1625 nm
- Externally Modulatable

**37. Red, Green, Blue Combiner Versions Available**
- Polarization Dependent Loss Emulator
- 0.05 dB to 10.0 dB Polarization Dependent Loss
- Fixed or Manually Variable PDL
- Broad Wavelength Range, Compact, and Low Cost

**38. ASE Light Sources**
- Up to 100 km Sensing Range
- Up to 0.1 meter, 0.1°C, 2 µm accuracy
- Uses Standard Telecom Fiber

**39. Fiber Optic Test Equipment & Sensors**
- 632–1625 nm Wavelengths
- Battery Operation, Power Adjustable
- 0.1% Power Stability
- 4 nm Tuning Range, 0.001 nm Resolution

**40. Output Powers to 300 mW**
- Wavelength Range: 375–1625 nm
- Externally Modulatable

**41. Red, Green, Blue Combiner Versions Available**
- Polarization Dependent Loss Emulator
- 0.05 dB to 10.0 dB Polarization Dependent Loss
- Fixed or Manually Variable PDL
- Broad Wavelength Range, Compact, and Low Cost

**42. ASE Light Sources**
- Up to 100 km Sensing Range
- Up to 0.1 meter, 0.1°C, 2 µm accuracy
- Uses Standard Telecom Fiber
Fiber Optic Test Equipment & Sensors

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

Highly Stable Polarized Sources
As good as 40 dB Extinction Ratio
Digital and Receptacle Versions
635–1829 nm Wavelengths

Electrically Driven Polarization Controllers
Continuous Control of Polarization
No Insertion Losses or Return Losses
Up to 100 Hz Response Speed

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

Polarization Measurement System for V-Grooves
Measures Polarization Angle to +/- 0.5 Degrees
Measures Extinction Ratios up to 40 dB
Measures Relative Power (650 Hz Sample Rate)

Inline Digital Power Monitor
Calibrated Power Meter
Wide Wavelength Range, up to 2 Watts Power
Singlemode and PM Fiber Versions

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

Pen & Pocket Size Fault Locators
Detects Breaks in Fiber Optic Cables
Use as an end-to-end Fiber Identifier, 635 nm
Up to 10 mW, Inexpensive

Digital Variable Attenuators
0.01 dB Resolution, Fast Response Time
0.5 dB to 60 dB Attenuation Range
USB Communications Interface

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

Mini Power Meters
Very Small Size, Low Cost
Interchangeable Receptacles
Multiple Wavelength Calibrations

Connector Video Microscope
Easy-to-use
Up to 400x Magnification
LC, FC, SC, E2000 or Other Custom Connectors

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

Connector Cleaning Unit
Easy-to-use
Low Cost
2.5 mm, 1.25 mm, Custom Design Connectors

OZ Optics Ltd.
Headquarters, Canada
Tel: +1-800-361-5415
Fax: +1-613-836-5089
sales@ozoptics.com

OZ Optics USA
California Division
Tel: +1-510-770-1268
Fax: +1-510-770-1726
qku@ozoptics.com

OZ Optics Turkey
Tel: +90-232-252-3531
Fax: +90-232-252-3498
ysezerman@ozoptics.com.tr

OZ Optics China Ltd.
Tel: +86-573-8222-3078
Fax: +86-573-8222-3012
sales@ozoptics.com.cn

OZ Optics Turkey
Tel: +90-232-252-3531
Fax: +90-232-252-3498
ysezerman@ozoptics.com.tr

OZ Optics China Ltd.
Tel: +86-573-8222-3078
Fax: +86-573-8222-3012
sales@ozoptics.com.cn
TEST EQUIPMENT & SENSORS
Short Form Catalog

Polarization Measurement Systems
Remote Accessible Fault Finders and Wireless Smart Patchcords
Connector Video Microscope
Digital Variable Attenuators
Backreflection Meters
Intelligent Tunable Ultra Stable LD Sources