Fiber Optic Test Equipment & Sensors

1. Fiber Optic Distributed Strain and Temperature Sensor
   - Up to 200 km Fiber Length
   - Up to 0.1 meter, 0.1°C, 2 µm Accuracy
   - Uses Standard Telecom Fiber

2. Broadband Polarization-Enhanced Photon Source
   - Quantum Computing, Imaging, Metrology
   - Broadband Covering C&L Bands
   - High Quality Polarization And Frequency

3. Optical Signal-To-Noise Ratio Generator (OSNR)
   - BER, DWDM, Submarine Network Testing
   - Automatically Set User Designated OSNR And Output Power Level
   - Built In Tunable Filter With Provision For External Filter

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

5. Super-Fast Erbium Doped Fiber Amplifier
   - Sub µs Transient Suppression Time
   - Under / Over Shoot ≤ ±0.3 dB
   - Constant Gain

6. Benchtop High Speed Polarization Controller/Scrambler
   - Continuous Control of Polarization Negligible Insertion And Return Losses
   - Up To 2 kHz Response Speed

7. Modulator Bias Controllers
   - Chip Sizes, Ditherless, High Extinction
   - Many Versions Are Available

8. Pulse Compressor Peak-Field Booster
   - Increases the Peak Field
   - Tunable Pulse Width
   - Tunable Spectral Bandwidth Expansion

9. OZPEN CD Cleaning Unit for High Power Components
   - Designed to Clean Small Surfaces
   - Superior to Other Cleaning Methods
   - Quick Dry and Solvent-Free Cleaning Process

10. Benchtop Fiber Optic Switch
    - 1x2 To 1x8 Channels Configuration
    - High Repeatability
    - Fast Switching Time

11. Rack Mount Fiber Optic Switch
    - 1x12 To 1x36 Channels Configuration
    - High Repeatability
    - Fast Switching Time

12. 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

13. Low Cost Smart Detector Heads
    - Low Cost
    - Compact Size
    - Interchangeable Connector Receptacles

14. Handheld Optical Power Meter
    - Wide Dynamic Range -75 to +10 dBm
    - Wide Wavelength Range 800-1650 nm, 400-900 nm
    - Low Cost, Long Battery Lifetime

15. Pocket Optical Power Meter
    - Slim and Compact Size
    - Wide Wavelength Range
    - Low Cost, Long Battery Life

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Fiber Optic Test Equipment & Sensors

16. **Handheld Polarization Extinction Ratio Meter**
- Measure up to 40 dB Extinction Ratio
- 0.3 Degree Angle Resolution
- Up to 2 Watts, Broadband Wavelength Range

17. **Benchtop Polarization Extinction Ratio Meter**
- Measures Up To 50 dB
- 450–2400 nm Wavelength Range
- 0.5° Angle Accuracy

18. **Polarization Measurement System**
- Measures Polarization Angle to ± 0.5 Degrees
- Measures Extinction Ratios up to 40 dB
- Measures Relative Power (650 Hz Sample Rate)

19. **Highly Stable Polarized Source**
- As good as 40 dB Extinction Ratio
- Pigtail and Receptacle Versions
- 635–1625 nm Wavelengths

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

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

22. **Handheld Backreflection Meter**
- Sensitive to -70 dB
- 1300/1650 nm Dual Wavelength Source
- Also Measures Insertion Losses

23. **Benchtop Backreflection Meter**
- Dual Wavelength Source Available
- 633–1625 nm Non-Telecom Wavelengths
- Sensitivity To -75 dB

24. **Digital Variable Reflector**
- Test Sensitivity to Backreflection
- -1 dB to -60 dB Backreflection
- USB Communications Interface

25. **Handheld Digital Variable Attenuator**
- 0.01 dB Resolution, Fast Response Time
- 0.6 dB to 60 dB Attenuation Range
- USB Communications Interface

26. **Benchtop Digital Multichannel Attenuator**
- High Power Up To 2 Watts
- Up To 60 dB Attenuation Range
- 350–2050 nm Wide Wavelength Range

27. **Rack Mount Electrically Controlled Variable Attenuator**
- High Power Up To 2 Watts
- Up To 60 dB Attenuation Range
- 350–2050 nm Wide Wavelength Range

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

29. **Handheld Laser Diode Source**
- Compact, Low Cost, Internally Modulatable
- 632–1625 nm Wavelengths
- Battery Operation, Power Adjustable

30. **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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Subtitle: Short Form Catalog

Global Leader in Fiber Optic Products SINCE 1985

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

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

33 OEM High Speed Polarization Controller/Scrambler
Continuous Control of Polarization
Negligible Insertion Losses and Return Losses
>30 kHz Response Speed at Resonance Frequency

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

35 Electrically Controlled Fabry-Perot Tunable Filter
Tuning Rate up to 25 kHz
Narrow Bandwidth
Low Insertion Loss

36 Motor Driven Variable Bandwidth Tunable Filter
45 nm Tunable Range
Flat Top Filter Shape
Polarization Insensitive

37 Turnkey OEM Laser Diode Sources
Wavelength Range: 375–2000 nm
Externally Modulatable
Red, Green, Blue Combiner Versions Available

38 Free Space Laser Module
Output Powers to 300 mW
Wavelength Range: 375–1625 nm
Externally Modulatable

39 ASE Broadband Light Source
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