

Raman pigtail





Raman pigtail

Optical fiber probe for biomedical Raman spectroscopy

Raman spectroscopy is proving to be a valuable and accurate tool for diagnosing disease and studying bi-ological tissue.^{1,2} This technique utilizes inelastically scattered laser light to provide detailed

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600 mW Fiber Bragg Grating Stabilized 14xx nm Pump Modules

S36 Series The Lumentum S36 series 14xx nm laser diode pump is wavelength-selected using grating-stabilized, polarization maintaining (PM) fiber. It offers up to 600 mW for 1420 to 1470 nm wavelength

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Volume-Holographic-Grating

This laser is pigtailed to an FC/PC-terminated multimode fiber, making it ideal for applications that require high-power, homogeneous sample illumination, such as Raman spectroscopy.

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Pigtail vs Chest Tube for Hemothorax?

Learn how pigtail catheters compare with large-bore chest tubes for the treatment of traumatic hemothorax through the findings of a medical study.

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Outpatient Management of A Spontaneous

A patient with a hemodynamically stable spontaneous pneumothorax can be managed as an outpatient using the placement of a small-bore pigtail catheter



1480nm Laser Diode, Raman Amplifiers (PUMP LASER)

These FITELE 1480nm pump lasers are designed for Raman amplification and amplifiers. Key features include an integrated FBG (fiber Bragg grating) for high

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Fiber optic probes add flexibility to Raman chemical analysis

Raman spectroscopy is well suited for the analysis of inorganic materials, especially in identifying the crystal phases and polymorphs, as demonstrated by the analyses of minerals and pigments in a

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WDM coupler for Raman Amplification



Raman amplifiers Optical fiber lasers Nonlinear systems Specifications: Ordering Information: WDM-R-a-b-c-d a: Wavelength of the 14xx signal; a=1445 for 1445nm. b: Configuration of the WDM coupler;

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UMEM Educational Pearls

UMEM Educational Pearls Title: Pigtail Catheter Insertion Tips Category: Trauma Keywords: Pigtail (PubMed Search) Posted: 10/4/2024 by Robert Flint, MD (Updated: 10/6/2024)

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Optical Fiber Probe with Integrated Micro-Optical Filter

Optical fiber Raman and surface-enhanced Raman scattering (SERS) probes hold great promise for in vivo biosensing and in situ monitoring of hostile

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Improved performance of a Raman fiber laser by inserting a segment

In this work we report that the insertion of a small MFD optical fiber segment at the output end of a single-mode optical fiber used as a Raman gain medium improves the Raman gain

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Co-packaged optics (CPO): status, challenges, and

Due to the rise of 5G, IoT, AI, and high-performance computing applications, datacenter traffic has grown at a compound annual growth rate of

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Review of optical fibre probes for enhanced Raman



After a short introduction to surface-enhanced Raman scattering technology, professional algorithms for design optimization of the fibre Raman

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Optical Fiber Probe with Integrated Micro-Optical Filter

With further optimization of the associated spectroscopic system, this ultra-compact microprobe shows great promise for Raman and SERS optical fiber

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Application of pigtail catheter tailing combined with : Medicine

No serious complications were observed in all patients. The pigtail catheter tailing and long guidewire swapping is considered as a safe procedure with high success rate for loop

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785nm Raman Probe for Liquid or Solid Samples

The standard Raman Probe supports an excitation wavelength of 785nm which can be coupled to a laser diode through the FC/PC connector (SMA905 available)

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InPhotonics: Accessories for Raman spectroscopy.

Raman measurement of routine samples is easy and safe with InPhotonics' compact sample holder. A spring-loaded cap prevents unnecessary exposure to laser

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Improved performance of a Raman fiber laser by inserting a segment

S1 represents the splice between the FL@1064-nm pigtail and the Raman gain fiber, S2 represents the splice between the Raman gain fiber and the small core optical fiber



segment.

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Multimode Graded Index Fiber with Random Array of

Light propagation in multimode fibers is known to experience various nonlinear effects, which are being actively studied. One of the interesting effects

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Raman Probes

StellarNet Raman Probes are perfect for a variety of laboratory and process Raman applications. Multiple Wavelengths such as 532, 633, 785, & 1064nm are standard "in stock" options.

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550 mW Fiber Bragg Grating Stabilized 14xx nm Pump Modules

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RL-RP Pigtail Raman Probe 1805

Current Amplifiers: Fixed Gain, Variable Gain, High Speed. Variable Gain Current Amplifier Comparison. Charge Amplifiers. Voltage Amplifiers: Low Frequency, Wideband, Logarithmic. High Speed GHz

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Fixing device for pigtail and probe of a portable Raman spectrometer

In order to meet the needs of different testing occasions, portable Raman spectrometers



generally have longer pigtailed to flexibly test samples at different positions. The standard safety box

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