

Plug-in Self-locking Ultraviolet Dual-core Medical Spectrum Detection Component

Description

Due to the softness, small size, light weight and high sensitivity of the optical fiber, the optical fiber has a wide range of medical applications. Due to the uniqueness of fused silica, the laser can be effectively transmitted. In laser-based medical optical fiber components, the application of reflection spectrum detection probes is very common. It is generally composed of two optical fibers in the visible light band, one of which is used for light source irradiation and the other is used for collection of reflection spectra, as medical diagnosis and detection consumables, such components are widely used in medical testing equipment and inspections.

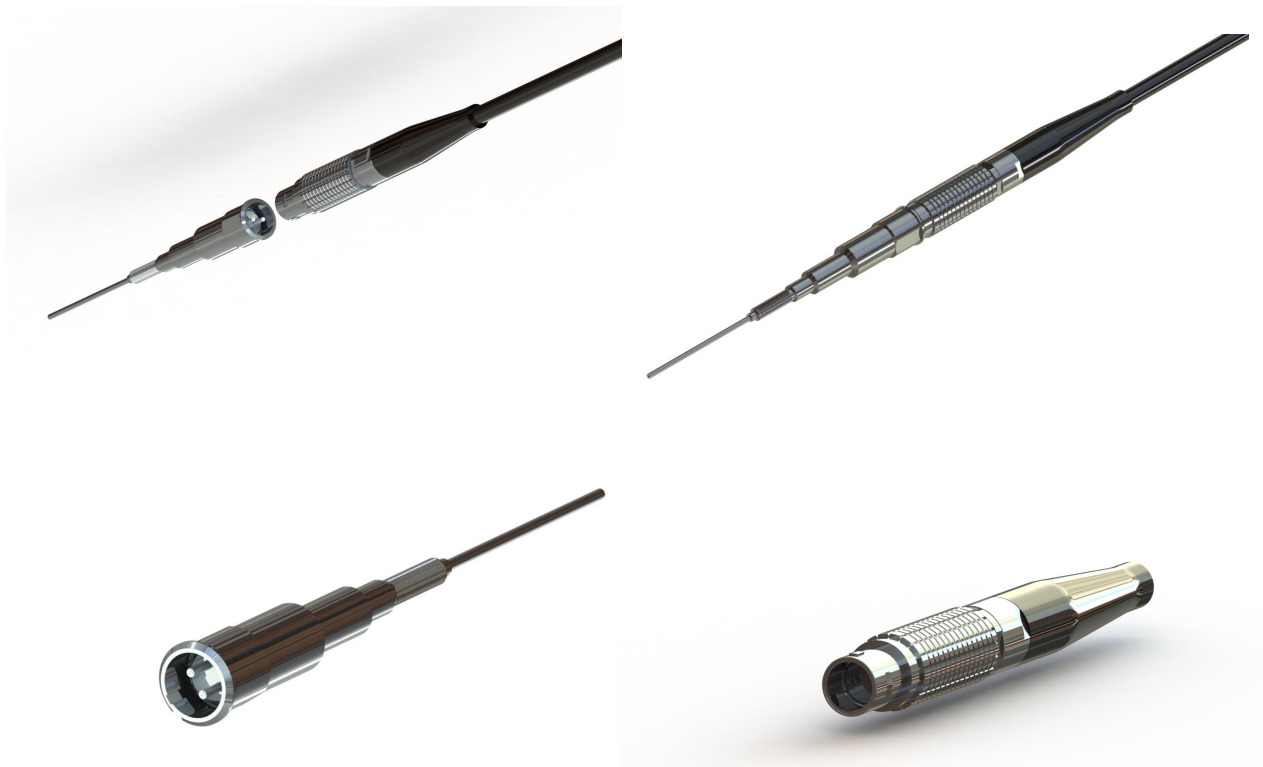


Features

- The probe adopts all-metal medical-grade stainless steel structure, which has anti-bacterial effect;
- The detection and optical fiber adopt a plug-in self-locking design, which is convenient for replacing the probe;
- Adopt positioning key alignment mechanism, with functions of blind insertion and anti-wrong insertion;
- The product structure is small in size, the maximum diameter is less than 13mm, easy to operate and hold;
- Standard connectors such as ST\FC\SMA905 can be selected for the branch end, which is fast and reliable with the device connector;
- The optical fiber can be customized according to the requirements of the required optical band and core diameter, and supports the production of large core diameter optical fibers;
- The end face of the optical fiber is precision polished, with high spectral transmittance and low loss;
- The connection end of the device is stable and reliable, and can be used for a long time. Only the probe end needs to be replaced, which can greatly reduce the cost of easy-to-use components.

Applications

- Medical equipment
- Spectral detection detection



Parameters

Insertion loss	0.6dB
fiber type	UV/IR, special fiber can be customized
Fiber core diameter	80um-1000um
communication wavelength	400nm-2000nm
Insertion times	> 1000 times
Operating temperature	-40°C~+85°C
waterproof level	IP67