

**TLS1006CL PC 控制可调谐激光光源模块**  
**TLS1006CL PC Controlled Tunable Laser Source Modules**

**产品规范书**



**PeakTech**

## 概述 DESCRIPTIONS

TLS1006C, TLS1006L 和 TLS1006CL 可调谐激光光源模块主要用于高精密波分复用 DWDM 元件, 光波导光栅阵列 AWG 元件, 平面光波导 PLC 元件, 光放大器 EDFA 和其它通用的光纤光学的测量和应用, 尤其适用于光纤光栅传感器的快速扫描测试。性能高超, 经济实用。

The TLS1006C, TLS1006L and TLS1006CL tunable laser modules offer superior performance for the testing of DWDM components, AWG & PLC components, optical amplifiers, and other general purpose fiber optic test and measurement applications. It's specifically designed for fast sweep fiber grating sensor testing.

TLS1006C, TLS1006L 和 TLS1006CL 可调谐激光模块都可通过 USB 线缆与电脑连接, 使用优峰通信技术提供的 PC 控制软件进行通讯, 形成一个具有精度高, 功率大、尺寸小巧、启动快速和价格实惠的可调谐激光光源测量系统。UC Instruments 可提供 C 波段, L 波段, 或 C+L 波段的 TLS1006 可调谐激光光源模块供选择, 同时, 这些模块可以通过 RS232 接口控制和 BNC 输出触发端口集成到客户的产品系统中。

Each TLS1006C, TLS1006L, or TLS1006CL module can be connected to a PC with a USB cable. They are highly accurate, powerful, compact-sized, fast-starting, and affordable tunable laser source systems which provide C band, L band, or C + L band options. Module control software is also included on purchase. The modules can also be integrated into any requested products system with RS232 interface controls and an output triggered BNC port.

## 产品特点 FEATURES

1. High Wavelength Resolution /高波长分辨率
2. High Power Output /大功率输出
3. Fast Start-up/启动时间短
4. High Wavelength Accuracy/高波长精度

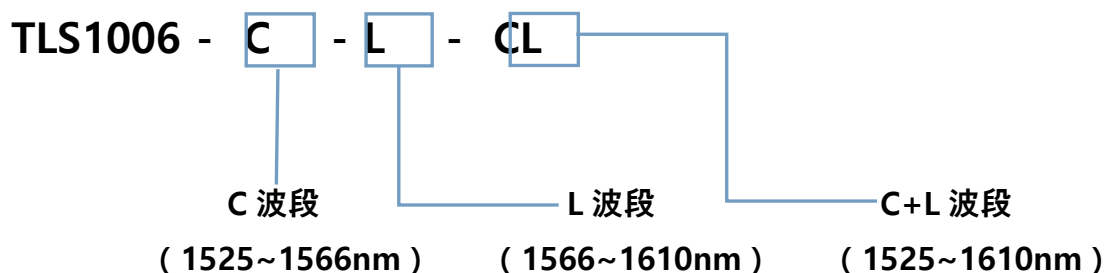
## 应用范围 APPLICATION

1. CWDM, DWDM, Filter, Components, Module, System Testing/CWDM, DWDM 滤光片, 元件, 模块和系统测量
2. OPM, Interleaver, DPSK, WSS, PLC, AWG components, modules testing/OPM, Interleaver, DPSK, WSS, PLC, AWG 元件和模块测量
3. Fiber Grating Sensors Testing/光纤传感器测量
4. Fiber Optic Test Equipments Inspection and Testing/光纤测量仪器的检验和测量
5. Laser Sweep Optical Spectrum Analyze/激光扫描光谱分析
6. R&D and Lab Application/R&D 和实验室应用
7. Passive components light path adjustment monitor 无源光器件光路调节监测
8. Easy to be integrated into customers' system/易于被集成到客户的系统中

## 性能指标 Specifications

型号 Model #	TLS1006C	TLS1006L	TLS1006CL
波长范围 Wavelength range	1525.00 to 1566.00 nm	1566.00 to 1610.00 nm	1525.00 to 1610.00 nm
输出功率 Output Power	$\geq 13$ dBm	$\geq 10$ dBm	$\geq 7$ dBm
波长分辨率 Wavelength resolution	1.0 pm		
绝对波长精度 Absolute wavelength accuracy	$\pm 5$ pm, <i>typ.</i> $< 5$ pm		
相对波长精度 Relative wavelength accuracy	$\pm 2$ pm, <i>Typ.</i> $\pm 2$ pm		
波长重复性 Wavelength repeatability	$\pm 2$ pm, <i>typ.</i> $\pm 1$ pm		
波长稳定性 Wavelength stability	$\leq \pm 2$ pm		
调谐速度 Tuning speed	$\leq 2$ ms per step (恒温24小时环境 24 hrs at constant temperature)		
功率稳定性 Power stability	$\pm 0.05$ dB, 1 hour. <i>Typ.</i> , $\pm 0.1$ dB, 24 hours.		
功率重复性 Power repeatability	$\pm 0.05$ dB		
功率线性度 Power linearity	$\pm 0.3$ dB		
功率波长平整度 Power Over wavelength Ripple	0.3 dB <i>typ.</i> , 0.5 dB <i>max.</i>		
边模抑制比 Side-mode Suppression ratio	$\geq 45$ dB		
光输出接口 Output optical interface	PM, FC/PC connector		
通讯接口 interface	RS232 or USB		
输出触发端口 Output trig port	BNC trig		
电源功率 Power	3.3 V; 3 A		
外形尺寸 Dimensions	40 mm H, 150 mm W, 170 mm D		
重量 Weight	0.5 kg		

## 订购信息 Ordering Information



\* 可调谐激光光源模块波长范围可根据客户生产需求选择订购。

## 技术支持和服务

### Test and Measurement Supports, Services and Assistance

我公司为我们的客户提供了高性能、高品质、低价位的测量仪器及测试系统。我们强大的技术资源可以帮助您选择并正确使用本公司合适的产品以满足您的应用需求。我们销售的每种仪器都拥有全球保修服务，提供最少12个月的出厂保修期。

Our company provides high performance, high value, low cost, affordable test and measurement instrument solutions for our customers. Our extensive support sources can help you choose right Our products for your specific applications and apply them successfully. Every instrument system we sell has a global warranty. All of our instruments are with at least 12 months factory warranty.

## 我们的承诺 Our Promises

我公司所有的测量仪器和测试系统均符合其资料所描述的功能和性能指标。一旦您选择了我公司产品，我们将为您提供合格的产品以及产品操作使用方法。对于有特殊功能的使用，我们会提供基本的测量帮助。

Our company' all test and measurement instruments and systems meet their advertised performance and functionality. When you select our product, we can help your product operation with our decade experiences, and provide the basic measurement assistance for the use of special capabilities.

## 联系信息 Contact Information

### SHENZHEN OPEAK TECHNOLOGY CO.,LTD

Add:Room 808,Boerduo International Hotel,  
8206 Baoan Road,Baoan District,Shenzhen

Tel:0755-23016665

Fax:0755-23010167

E-mail: sales@opeaktech.com

<http://www.opeaktech.com>

### 深圳市优峰通信技术有限公司

地址：深圳市宝安区宝安大道 8206 号波尔多国际酒店 8 楼 808 室

电话：0755-23016665

传真：0755-23010167

邮箱：sales@opeaktech.com

<http://www.opeaktech.com>