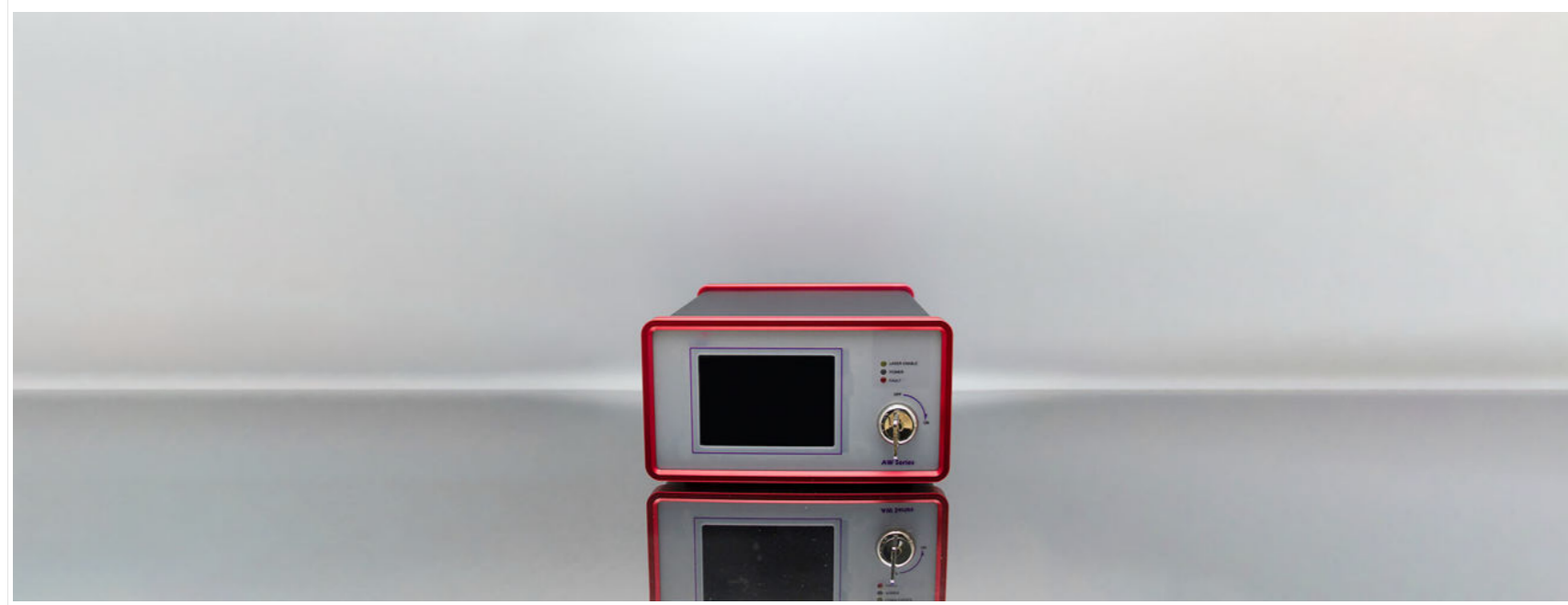


# 785nm Optical Fiber Output Accurate Wavelength Laser System of AWM Series



## DESCRIPTION

Our quasi wavelength fiber coupled output semiconductor laser system can provide a variety of wavelength options. Fiber coupled output has excellent power stability. Product structure is small, portable, with user-friendly operation interface, perfect refrigeration system, can meet the different needs of users. Our company can also provide customized services according to the requirements of users.

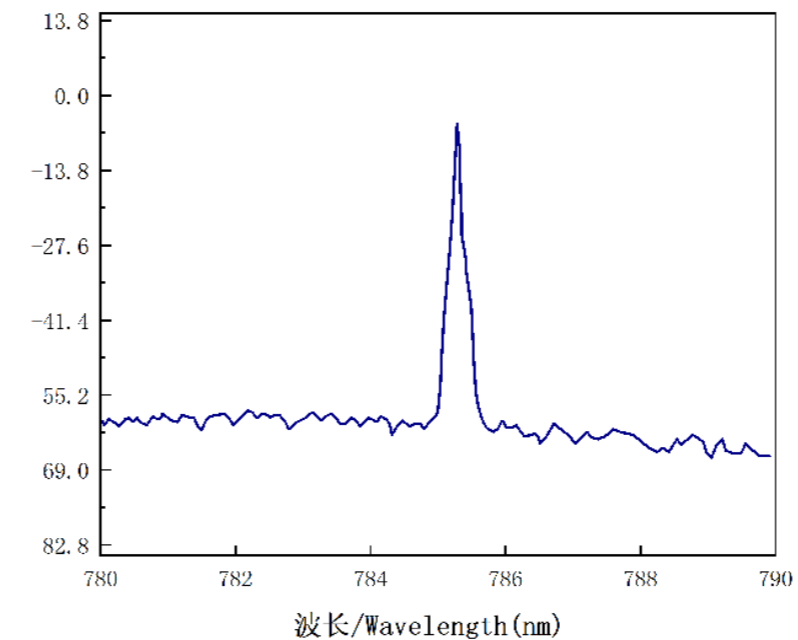
## APPLICATIONS

- Flow cytometry
- Confocal microscopy
- Fluorescence excitation
- Granularity measurement
- Super-resolution microscopy

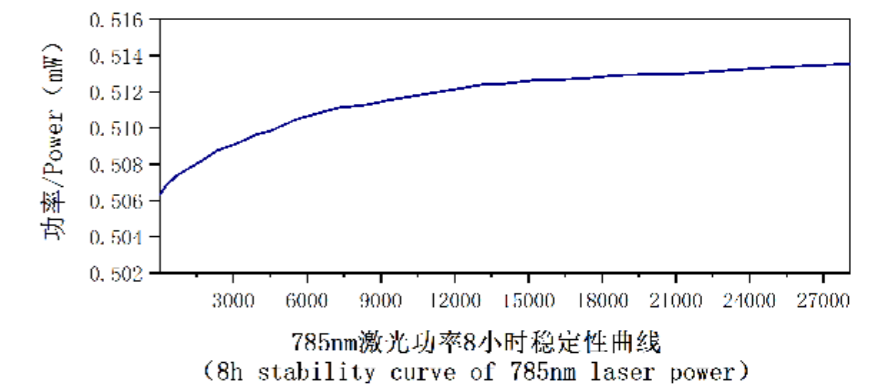
## FEATURES

- Built-in TEC, power stability is better than  $\pm 1\%$  @ 8H
- Multiple wavelengths available
- Including host computer control, short circuit protection and other functions
- Multimode fiber optiona

## CHARACTERISTICS OF 785 nM 50MW LASER (25°C)



785nm激光光谱图 (边模抑制比>40dB)  
785nm laser spectrum (Side mode suppression ratio > 40dB)



## PARAMETERS

Model	CL785-SIF(FA)-100mW-AWM016	CL785-SIF(FP)-100mW-AWM017	CL785-SIF(S)-100mW-AWM018	
Central Wavelength (nm)	785	785	785	
Wavelength Tolerance (nm)	±10	±10	±10	
Optical Parameter	Output Power (mW)	100	100	
	Line Width (nm)	1	1	
	Fiber Interface	FC/APC	FC/PC	SMA905
	Power Stability	±1.0%@8H	±1.0%@8H	±1.0%@8H
	Power Adjustment Range	0~100%	0~100%	0~100%
Preheat Time (Min)	15	15	15	
Modulation Input	1KHz TTL or Analog signal 0~5 V	1KHz TTL or Analog signal 0~5 V	1KHz TTL or Analog signal 0~5 V	
Control Interface	USB, BNC	USB, BNC	USB, BNC	
System Parameter	Power Input	100-240VAC, 50/60Hz	100-240VAC, 50/60Hz	100-240VAC, 50/60Hz
	System Power Consumption (W)	<5	<5	<5
	Storage Temperature (°C)	0~55	0~55	0~55
	Storage Humidity (RH)	0~80%	0~80%	0~80%
	Operating Temperature (°C)	10~35	10~35	10~35
	System Weight (Kg)	2.2	2.2	2.2
	System Size (mm)	150×102×200	150×102×200	150×102×200

## OUTLINE SIZE(mm)

