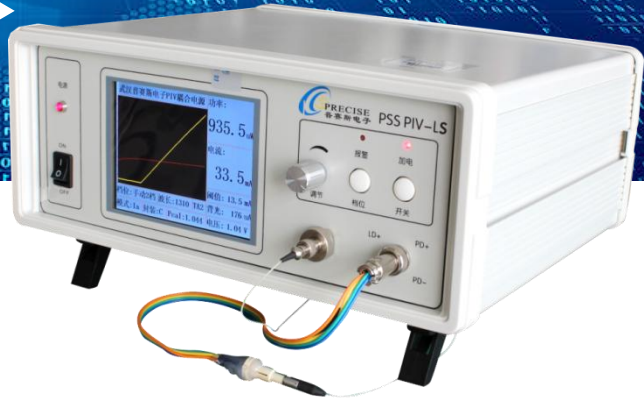


# PSS PIV-LS

PIV Intelligent Coupling Power Supply ▶▶▶

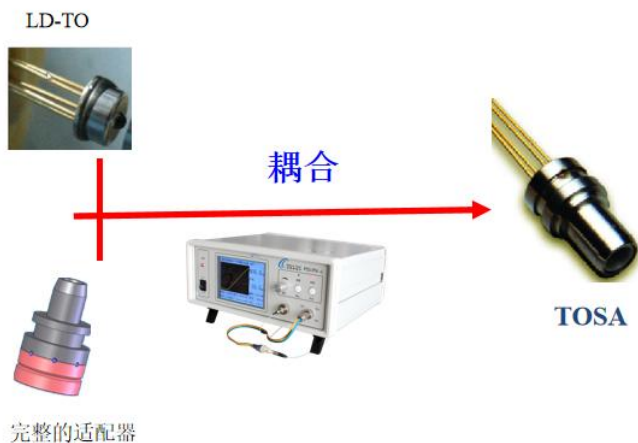


## Product Introduction

PSS PIV-LS is mainly used for online monitoring in alignment process of LD, TOSA, and BOSA. The system provides drive power to the LD of the OSA device, it can synchronously monitor a series of related performance indicators in coupling process. Monitored Parameters include: threshold current, drive current, backlight current, optical power, forward voltage, etc. The relevant parameters are displayed on this machine, it involves in P-I curve, Im-I curve, V-I curve, etc. The relevant waveform can also be displayed in external oscilloscope.

## Product Application

- LD、TOSA、BOSA coupling test



## Product Features

- Supports regular TO56 coupling
- Synchronous PIV curve and Po display, convenient for coupling operation
- Open Communication control interface, automation software control and data collection interaction of automation equipment
- Built-in high-efficiency anti-surge protection circuit, slow start circuit, laser non-destructive alignment, abnormal alarm in abnormal plug process

## Technical Parameters

Parameters	Description/Value
Laser package type	Common-positive, independence, etc.
Coupling method	lth+X (without backlight), lth+X (with backlight), fixed point X (without backlight), fixed point X (with backlight), lth+X (DC fixed point), X (DC fixed point)
Display parameters	Threshold current, optical power, drive current, backlight current, forward voltage, wavelength, etc.
Wavelength	4 wavelengths (1310, 1490, 1550, 850nm) (special wavelengths can be customized)
Drive current	Range 0-75mA adjustable, error <0.1mA
Backlight current	Range 0-2500uA, error <15uA
Optical power	The first gear is 0-10uW or 0-1000uW; the second gear is 0-1500uW or 0-2500uW; the third gear is 0-5000uW. Error<0.2dB. Multiple gears can be customized to test up to 10mW.
Forward voltage	<2.5V, error <30mV
Curve Refresh Rate	<20 ms
Calibration function	Support P, V, Im multiple parameter calibration
Power gear switch	Support automatic shift, manual shift
Fiber optic adapter	Universal adapter (FC, LC, SC, universal connectors are optional)
Optical fiber	single-mode, multi-mode
Size	250×300×120 mm