

Photo Diode Evaluation System for Optical Pickups

outline

Since the detection area of a PD used for mass optical communications is so small (about 20 μm) that highly accurate adjustment is needed.

This system is the unit which utilizes our high-speed automatic alignment technology PAGL-1. The alignment is usually completed within 10 seconds after setting PD. Users can choose the alignment position on PD (the maximum sensitivity point or XY axis central point of a sensitive area).

Moreover, the optical incidence to a fiber can perform this system similarly. Therefore, it is also applicable to characteristic inspection of a laser diode and fiber coupler.

An alignment unit consists of a stage unit, a system control device, a stage driver, and control PC.

An alignment control software can be built into a software project (provided as an ActiceX object), therefore the alignment parameters and sequence can be controlled from the software developed by the user side.

It is also possible to include this alignment unit in automatic inspection system. Please consult.

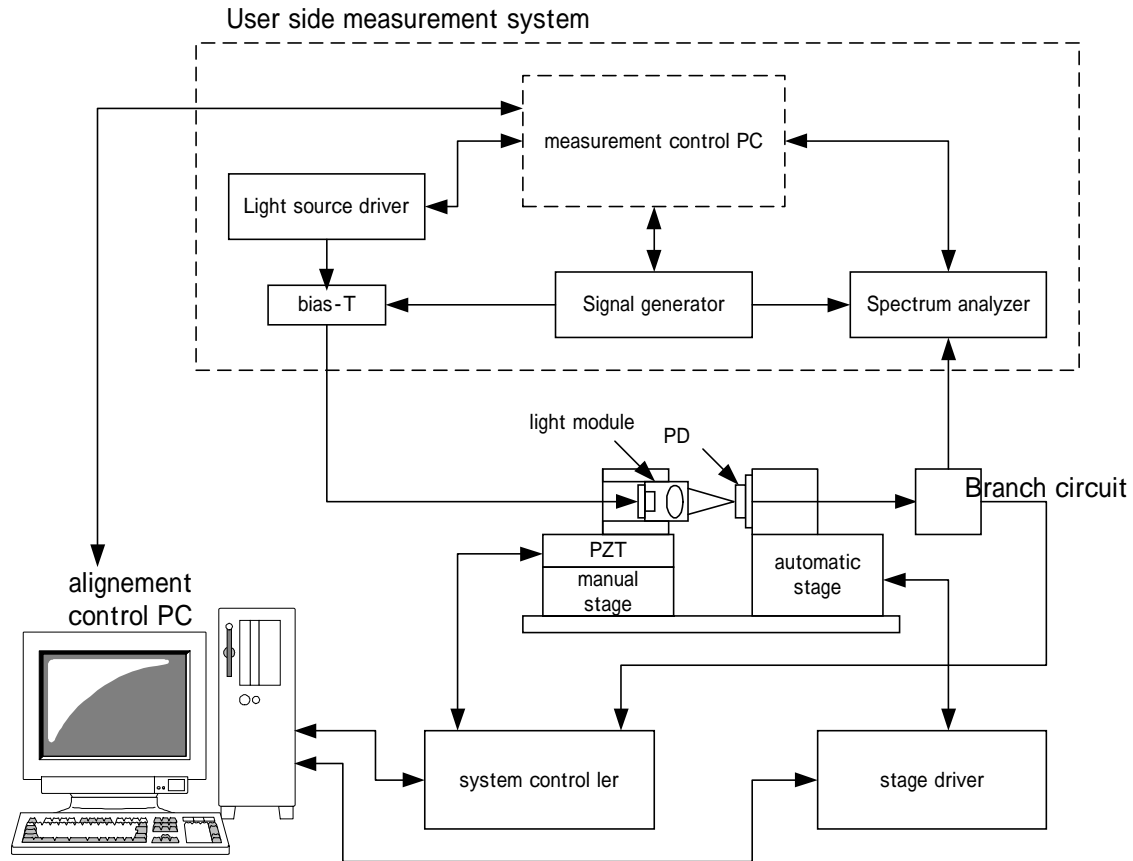
application

- Characteristic inspection of photo diode
- Characteristic inspection of laser diode
- Characteristic inspection of fiber coupler
- Characteristic inspection of other optical parts

specification

alignment axis :	X, Y, Z axis
alignment way :	PGAL-1 active alignment method (Pat.pend)
alignment time :	about 10sec
accuracy :	XY axis about $\pm 0.1 \mu\text{m}$ (depend on sample) Z axis about $\pm 1 \mu\text{m}$ (depend on sample)
Supply and discharge of parts :	manual or automatic
output data :	miss alignment, output power product name, lot number, product No.

The automatic alignment unit for photo-diode inspection



* Specification and a performance may be changed without a preliminary announcement for improvement.

About this system, please contact us.

SIGMA Co., Ltd. International Sales Group

TEL +81-42-392-8600 / FAX +81-42-392-5341

E-mail question@sigma-fa.co.jp