

CT-40410A

Auto Industrial Laser COS Tester



Equipment Characteristics

- Test LIV, optical spectrum, far field, polarization extinction ratio
- Automatic OCR chip/substrate ID for data binding
- Load/unload flexibly configured with waffle pack, Gel-pack and B/I fixture
- Dual test platforms for parallel test to increase UPH significantly
- Development is in progress to integrate AOI feature for defect detection

Technical Specifications

Class	Project	Metric	Remarks
LIV	Scan mode	CW/QCW	
	Pulse synchronization	Support	
	Current output range	0~25A/50A/75A/100A	
	Current output accuracy	$\pm(0.2\%FS+0.2\%Setting)$	
	Current resolution	0.05A	
	Compliance voltage range	0~5V	
	Voltage measurement mode	4 Line system	
	Voltage measurement accuracy	$\pm 20mV$	
	Optical power range	0~50W	Adjustable
	Optical power accuracy	$\pm(0.5\%Reading\pm 0.05W)$	
	Optical power resolution	0.01W	
	Test duration	5s/20s	1000 measurement, typ. 5s, 20s for synchronized spectrum measurement
Optical spectrum	Equipment	Optical spectral analyzer	
	Wavelength range	800~1000nm	Customizable
	Wavelength resolution	0.1nm min	Depends on the wavelength range
	Test duration	<10s	
Far field	Measurement method	Mechanical scan	
	Scan range (fast axis) _Z	$\pm 40mm$	
	Scan range (slow axis) _X	$\pm 40mm$	
	Scan Resolution (Min)	0.05mm	
	Single axis scan duration	<5s	
Polarized extinction ratio	Measurement method	Rotational polarizer	
	Scan range	360	
	Scan Resolution (Min)	0.05	
	Scan time	<5s	