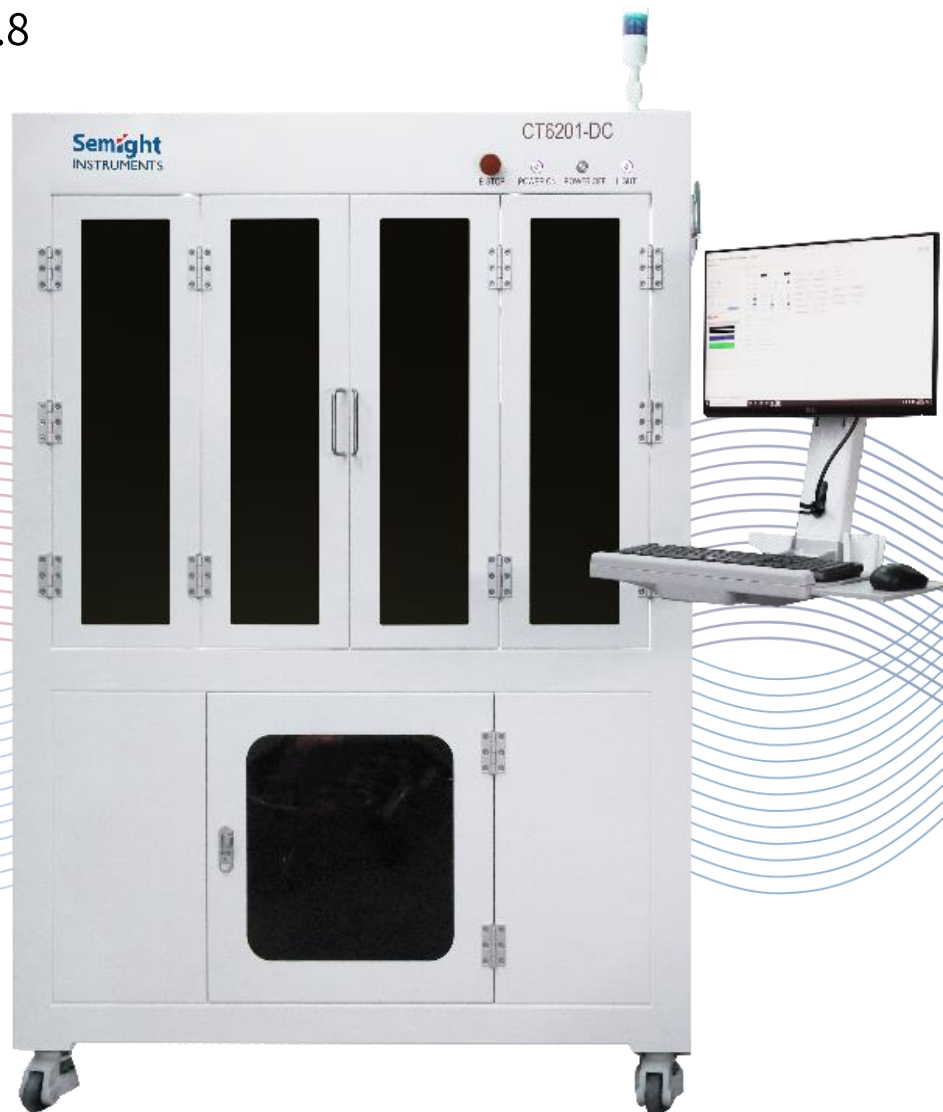


CT6201-DC

CoC Test System

Version 1.8



Product Description

CT6201-DC is fully automatic CoC/CoS test system. Very cost effectiveness and high efficiency make it a perfect solution for CoC/CoS mass production application.

It uses the same fixture as BI6201 CoC/CoS burn-in system, this reduced the DUT load/unloading process to greatly eliminate EOS/ESD damage.

Special designed optical power coupling system make the optical coupling and spectrum testing very repeatable and fast.

There have two test seats in the system, they could work independently and in parallel, also could set test temperature differently and independently.

Key Features

- Share the same fixture with Burn-in system BI6201
- Temperature range 25 °C-100 °C
- Temperature stability $<\pm 0.1$ °C
- Two test seats could perform testing in parallel
- Auto fixture loading and unloading
- High test speed: < 7 s per CoC (DFB) test time
- High Ith repeatability $<\pm 1\%$
- High Power Repeatability $<\pm 1\%$
- High wavelength repeatability $<\pm 0.15$ nm
- SMSR repeatability < 5 dB
- Support both CW and Pulse laser driving
- Integrating Semright Instruments SMU
- Configurable test software and database interface

Technical Specifications

System Parameters	DUT type	Any kind of CoC/CoS
	Fixture type	Support the same 48 pcs CoC burn-in fixture
	Fixture loading/unloading	Automatic Fixture loading and unloading
	Fixture ID Scan	Automatic Fixture Barcode scanning
	Parallel testing	Parallel testing of the two side of fixture
	Golden sample control	Software support golden sample control function, if the golden sample testing of the current station is out of a period (could be configured), alarm will be given out
	Test station control	Software support test station control function, if a fixture is put to different test station for pre/post burn-in testing, alarm will be given out
	Test recipe	Software support test recipe configuration functions, including instrument, test condition, test algorithm, test sequence, test result judgement
	Test data	Support customer on all data/MES relative requirements
Electrical	SMU type	Standard Source/Measurement Unit
	DC current	3 A

	I/V source resolution	10 fA/100 nV
	I/V measure resolution	10 fA/100 nV
	Voltage range	70 V
	Pulse current	10 A
	EOS	NO EOS under any condition and operation
Optical	Optical power measurement detector type	Ge
	Optical power measurement wavelength range	800-1700 nm
	Optical power measurement range	10 μ W-300 mW (Add attenuator if power by than 25 mW)
	Optical power measurement accuracy	<0.2 dB
	Optical spectrum measurement wavelength range	Yokogawa AQ6360 or other spectrometers
	Optical spectrum measurement accuracy	
	Optical power coupling	Coupled Power >-15 dBm for all cased need to test

	efficiency	optical spectrum
Temperature	Temperature control Method	TEC
	Temperature zone	2 Independent temperature zones
	Temperature range	25~100 °C
	Temperature ramps up/down speed	20 °C/min
	Temperature resolution	0.01 °C
	Temperature accuracy	25~100 °C: ± 0.5 °C+1% ΔT
	Temperature uniformity	$< \pm 0.5$ °C
	Temperature stability	$< \pm 0.2$ °C
	Test Parameters	Ith repeatability
Power repeatability		$< \pm 1\%$
SE repeatability		$< \pm 2\%$
Wavelength repeatability		$< \pm 0.15$ nm
SMSR repeatability		< 5 dB

Ordering Information

CT6201-DC	Standard Configuration
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*This information is subject to change without notice.