

ILX Lightwave® Laser Diode Test Systems Comparison Chart

	SENTRY	SENTINEL	CENTURION	SALUS	
	LRS-9434SS	LRS-9434	LRS-9550	LMS-9406	LCS-9408
Maximum Number of Devices	128	1,408	512	1,408	32
Simultaneous Independent Test Scenarios	Up to 4	Up to 44	Up to 10	Up to 44	N/A
Packages Supported	TO-Can, TOSA, CoC, CoS, DIP, Custom	TO-Can, TOSA, CoC, CoS, DIP, Custom	C-block, CT-Mount, Butterfly, Custom	TO-Can, TOSA, CoC, CoS, DIP, Custom	TO-Can, TOSA, CoC, CoS, DIP, Custom
Wavelength Range	400 – 1600nm	400 – 1600nm	400 – 1600nm	N/A	800 – 1600nm
Output Power Accuracy / Repeatability	20%* / 1%	20%* / 1%	20%* / 1%	N/A	3.5% / 1%
LD Current Range (at max capacity)	0.3-500mA	0.3-500mA	0.5-5A	5-500mA	0.1-500mA
Max LD Current (at reduced capacity)	2A	2A	40A	2A	2A
LD Setpoint Accuracy	±0.5mA	±0.5mA	±50mA (@5A)	±1mA	±0.1mA
LD Voltage Accuracy	±50mV	±50mV	±50mV	±50mV	±20mV
Temperature Ranges	40°C to 150°C 25°C to 150°C W/TEC	40°C to 150°C 25°C to 150°C W/TEC	25°C to 85°C 40°C to 125°C	40°C to 150°C 25°C to 150°C W/TEC	25°C to 70°C
Temperature Accuracy	±2.0°C	±2.0°C	±2.0°C	±2.0°C	±0.2°C

*Default accuracy without end user calibration

ILX Lightwave[®] Laser Diode Test Systems Features and Options

	SENTRY	SENTINEL	CENTURION	SALUS	
	LRS-9434SS	LRS-9434	LRS-9550	LMS-9406	LCS-9408
World Class Laser Diode Protection	✓	✓	✓	✓	✓
Modular Architecture	✓	✓	✓	✓	✓
ICS Compatibility*	✓	✓	—	✓	✓
High Precision Characterization	—	—	—	—	✓
Spectral (λ_p , SMSR)	—	—	—	—	✓
LIV Sweep	✓	✓	✓	—	✓
ACC Control Mode	✓	✓	✓	✓	—
APC Control Mode	✓	✓	—	—	—
External Power Measurement	✓	✓	✓	—	✓
Temperature Measurement	✓	✓	✓	✓	✓
In Situ Voltage Measurement	✓	✓	✓	—	—
Monitor PD Measurement	✓	✓	✓	—	—
Bipolar Drive Current	✓	✓	✓	—	—

*ICS allows for portability across test platforms without individual device handling