reliable trustworthy safe

CENTURION

LASER DIODE LIMITED MONITORING BURN-IN SYSTEM

LMS-9406

mks | Newport™

LIMITED MONITORING BURN-IN

CENTURION

Monitored Setpoints and LD Voltage

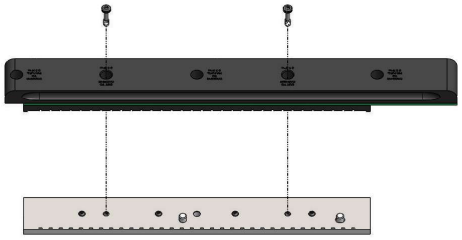
- Stable laser diode control
- Monitor current and temperature setpoints
- Collect setpoint and/or LD voltage readings as frequently as every 15 minutes
- Constant current mode

ReliaTest Software

- Real time burn-in data
- CSV formatted data access while tests are running
- Run sequential burn-in test steps

Individual Fixture Temperature Control

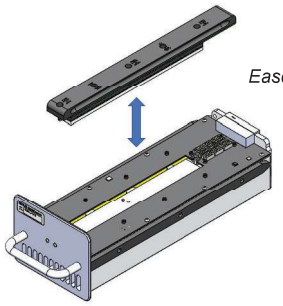
- Temperature range of 40°C to 150°C
- Long term stability
- Uniform temperature control
- Custom temperature ranges available



Expanded Integrated Carrier Solution (ICS) with up to 32 individual device mounting locations

Flexibility

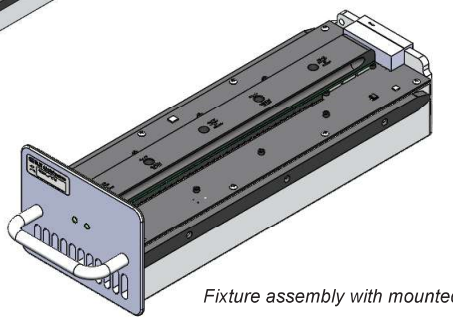
- Run up to 44 separate burn-in sequences
- Up to 1408 channels
- 1 - 11 shelves
- Custom fixture designs
- Complementary to ILX Characterization Station



Ease of mounting and removal of ICS on test fixtures

Designed to Protect Your Laser

- Programmable current ramp on and off to reduce thermal shock
- Over current protection
- Over and under temperature protection
- Controlled shutdown on power failure



Fixture assembly with mounted ICS

PRELIMINARY

Custom Design the System to Your Needs

LMS-9406 PRELIMINARY SPECIFICATIONS

System Capacity	1408 devices
Device Types Supported	TO-Can, TOSA, COC, Custom Customer Packages
Devices per Fixture	Up to 32
TEMPERATURE CONTROL	
Temperature Range	40°C - 150°C
Temperature Control	Per fixture
Temperature Accuracy	±2.0°C
Temperature Stability	±0.2°C
LASER CONTROL	
Output Polarity	Unipolar
Laser Drive Current	
Range[1]	5 mA to 500 mA
Setpoint Accuracy	±1 mA
Stability[2]	±1 mA
Resolution	1 mA
Operational Transients	<10 mA
Burst and Surge Transients	<50 mA
Compliance Voltage	5V typical; higher voltages available upon request
Control Modes	ACC
MONITOR FUNCTIONS	
Laser Voltage Range	0 - 5.0V; higher compliance voltages available upon request
Laser Voltage Accuracy	±50 mV
Temperature Range	40°C - 150°C
Temperature Accuracy	±2.0°C
SYSTEM CONTROL COMPUTER AND SUPERVISORY SOFTWARE	
Computer Type	Laptop
Battery Operation	>30 minutes
Power Requirements	200-240 VAC, 50/60 Hz, 50A, three phase
Operating System	Microsoft Windows® 10
System Control Software	ReliaTest™

NOTES: Temperature control range depends on total power dissipated on the fixture.
1) Higher currents can be achieved by summing current sources on custom fixtures.
2) Stability measured over 1000 hours.

PRELIMINARY

Complementary to ILX LCS-9408 Characterization Station

- Uses ICS carrier solution between burn-in and characterization
- Provides LIV and spectral data for each laser
- Compares original vs. post burn-in data

Proven Protection.

- Pioneer in laser diode protection
- Drives down laser damaging transients
- Suppresses electrostatic discharges
- Trusted reliability and proven results

Over thirty years ago, ILX Lightwave introduced the world's first precision laser diode current source. ILX continues to develop and deliver laser diode protection features that are the standard for laser diode control.

Why Choose ILX Lightwave?

Experience.

For thirty years, ILX Lightwave has been a pioneer in laser diode instrumentation and test systems, starting with the industry's first precision laser diode current source in 1986. Since then, we have continued to grow and evolve with the expanding photonic industry, building a tradition of innovation, quality, and customer service.

Quality.

ILX Lightwave has maintained ISO 9000 certification since 2001. Strong internal systems for problem identification and resolution have resulted in continuous improvement of our products and services. We believe that quality is not just something you build into a product; it's something you build into everything you do.

Commitment.

ILX Lightwave's mission is to be the world leader in laser diode instrumentation and test systems. ILX Lightwave has been developing high performance reliability and burn-in test systems for over 15 years and continues to invest senior engineering resources to develop new systems.

After Sales Support.

ILX understands the need for fast, technically accurate responses to all support requests. In addition to customer service engineers, our test system customers have direct access to ILX Lightwave application and design engineers to ensure the highest level of technical support.

In keeping with our commitment of continuing product improvement, ILX Lightwave reserves the right to change specifications without notice and without liability for such changes.

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