

reliable

simple

safe



LASER DIODE  
PRODUCTION  
BURN-IN SYSTEM

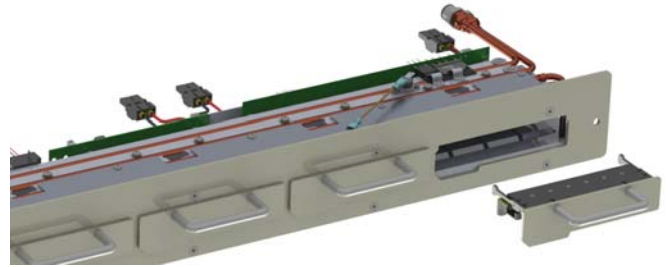
LTS-7540

# PRODUCTION BURN-IN

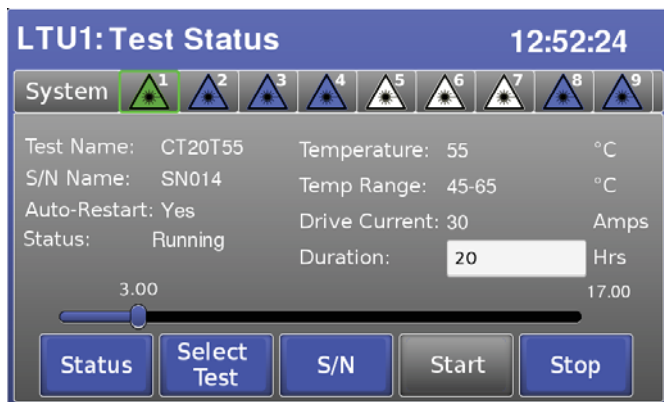


## Designed for High Volume Production Burn-In

- **Easy Load Device Carriers**
  - Simplified design reduces cost and eases use
  - Supports loading and unloading devices away from system
- **High Rack Density**
  - Water cooled design increases channel density over air cooled designs
- **Minimize Down Time**
  - Modular design allows for easy maintenance and upgradeability



- **Flexible Test Configuration**
  - Run up to nine tests per rack
- **Simple Data Acquisition and Interface**
  - Flexible report access over network or USB
  - Simple touch screen interface is easy to learn and quick to navigate
- **Front Panel USB Interface**
  - Supports barcode scanner for data input
  - Upload test recipes
  - Download test reports
- **Remote Access**
  - Upload test configurations
  - Download reports
- **Concise Reports**
  - Test complete by device
  - Test event logs
  - System event logs



## Designed with Operators in Mind

- **Touch Screen Operator Panel**
  - Run and monitor tests
  - Check system status
  - Load serial numbers
- **Operator Safety**
  - Interlocks to stop accidental start of tests
  - CE compliant
- **Operator Safety**
  - Interlocks to stop accidental start of tests
  - CE compliant
- **Bar Code Scanner**
  - Fast data input
  - Scanner sold separately

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## Designed to Protect Your Laser

- **Reduce Thermal Shock**
  - Programmable current ramp on and off
- **Device Protection**
  - Over current protection
  - Over and under temperature protection
  - Controlled shutdown on power failure
- **Transient Protection**
  - Line transient suppression
  - Operational transient protection

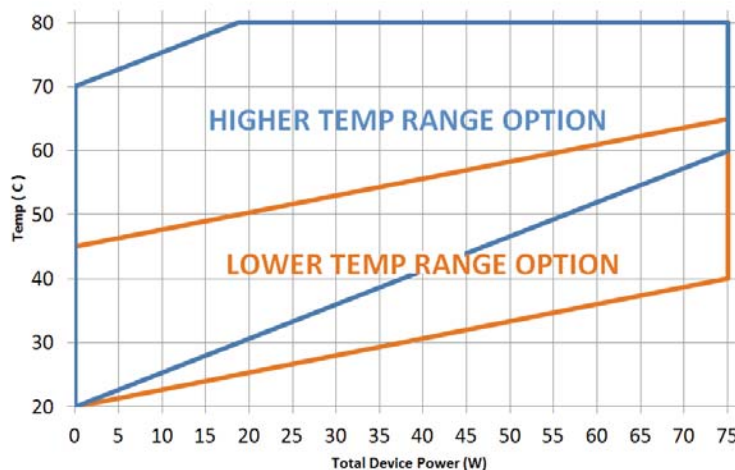


## Custom Design the System to Your Needs

### LTS-7540 SPECIFICATIONS

System Capacity	252 devices (9 laser test units)
Device Current Drive Configuration	7 devices in series
Dimensions	31.5" x 31.5" x 74.8" (0.8 m x 0.8 m x 1.9 m)
Current Range per Source	5 - 30 A
Set Point Accuracy	$\pm 100$ mA
Set Point Resolution	100 mA
Stability (200 hours)	$\pm 200$ mA
Noise and Ripple (mA rms)	$\pm 150$ mA
Compliance Voltage	3 V per device
Adjustable Drive Current Ramp Rate	1 - 30 amps / minute
Temperature Set Point Accuracy	$\pm 5.0^{\circ}\text{C}$
Temperature Stability	$\pm 0.5^{\circ}\text{C}$

LTS7540 Temperature Operating Range





## 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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