

reliable

simple

safe



LASER DIODE  
PRODUCTION  
BURN-IN SYSTEM

LTS-7410

# PRODUCTION BURN-IN



## HIGH-VOLUME PRODUCTION BURN-IN

### High Rack Density

- Up to 8960 devices per rack
- Water cooled for rapid head dissipation

### Flexible Test Configuration

- Run up to 14 independent tests per rack
- Customizable to your device and testing needs

### Minimized Down Time

- Modular design for each maintenance and upgradability

## LASER PROTECTION

### Thermal Shock Reduction

- Programmable on and off current ramp

### Current and Temperature Protection

- Overcurrent protection
- Over and under temperature protection
- Controlled shutdown on power failure

### Transient Protection

- Line transient suppression
- Operational transient protection

## EASE OF OPERATION



### Easy Load Device Carriers

- Simple design for ease of use and reduced cost
- Removable carrier for flexibility to load devices anywhere

### Touch Screen Display

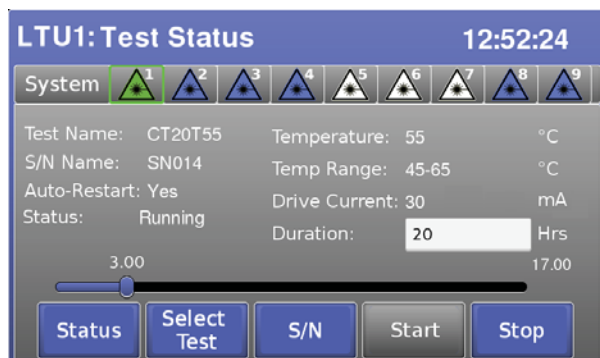
- Simple, easy-to-navigate interface
- Run and monitor tests
- Verify system status
- Load device serial numbers

### Flexible Data Management

- Front panel USB and remote network access
- Upload test configurations
- Download test reports
- Supports barcode scanner (not included) for quick device data input

### Concise Reports

- Device pass / fail report
- Test and system event logs



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## LTS-7410 SPECIFICATIONS

System Capacity	8960 devices (14 laser test units)
Device Current Drive Configuration	8 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	10 - 500 mA
Set Point Accuracy	1.5 mA + 1.5% SP
Set Point Resolution	1 mA
Stability (200 hours)	±5 mA
Noise and Ripple (mA rms)	1.5 mA + 0.5% SP
Compliance Voltage	3 V per device
Adjustable Drive Current Ramp Rate	25 - 500 mA / minute
Temperature Control Range	25°C - 95°C
Temperature Set Point Accuracy	±5.0°C
Temperature Stability	±0.5°C



**Customizable Systems to Meet Your Needs**

# 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.