

LASER EDUCATIONAL KIT MODEL: 25-LKB-XXX

Understanding resonator cavity parameters is key to most photonics-oriented educational curricula, and in any learning environment, tying theory to real-world observations is invaluable.

The 25-LKB series delivers a safe and effective means of user interaction with the laser resonator cavity.

Configured by a laser manufacturer for their own resonator cavity design and optimization studies, these integrated assemblies are configured for ease of use, robustness and durability.

KEY FEATURES

- Highly Stable Over Time & Temperature
- Adjustable Mirror Spacing Without Disassembly
- Easily Accommodates Additional Components
- Can be User Re-configured with Ease
- Meets or Exceeds all Laser Requirements per 21 CFR 1010.40 and 1040.11(c)

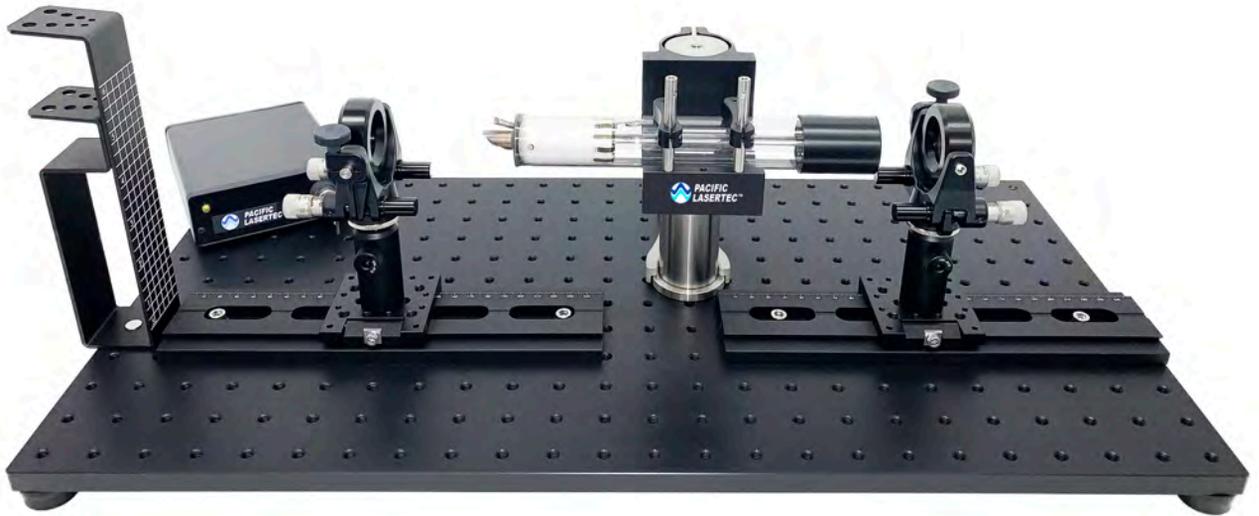
OBSERVABLE PHENOMENA*

- ✓ Gain Parameters
- ✓ Beam Propagation
- ✓ Transverse Modes
- ✓ Polarization Effects
- ✓ Longitudinal Modes
- ✓ Resonator Cavity Design



* May require additional test instrumentation or optional items

25-LKB Series Educational Kit



STANDARD KIT INCLUDES:

- HeNe Laser Plasma Tube
- Universal Input Power Supply
- High Stability Laser Mount
- 633nm Red Mirror Set
- Gimbal Mirror Mounts
- 12" x 24" Optical Breadboard
- Alignment Rails & 2 Carriers
- Beam Attenuator
- External Beam Block
- All Mounting Hardware

12-month Warranty for Defects in Materials and Workmanship



High Precision Gimbal Mounts



Universal Input Power Supplies



Robust Laser Mount

Model	Plasma Tube Type	Output Power	Laser Safety Classification	Suggested Mirror Spacing
25-LKB-294	Double Window	1.0 to 4.9 mW	Class IIIa / Class 3R	340 mm
25-LKB-190	Single Window	2.0 to 4.9 mW	Class IIIa / 3R	340 mm

OPTIONS AND ACCESSORIES:

- 12 x 36" Optical Breadboard & Rails
- Normal Angle of Incidence Windows
- Green or Yellow Mirror Sets Coming Soon
- Extended Warranty Terms
- Protective Eyewear Options
- Post Mounted Iris Diaphragm



LASER SAFETY:

- Devices should be operated only by personnel properly trained in laser safety protocol
- Do not place reflective components or laser sources at or near eye-level
- Always wear appropriate protective eyewear during operation
- Avoid eye exposure to directly emitted or reflected light
- Do not place reflective components in the beam path

Users are strongly advised to implement administrative controls aligned with ANSI Z136.5 or equivalent.



System complies with 21 CFR 1010.40, 21 CFR 1040.11(c), EN61010, EN63268 and 47-CFR FCC Part 15



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