

100 WATT SEALED RF EXCITED CO₂ WAVEGUIDE LASER

FEATURES:

- * Outstanding Beam Quality and Stability
- * Compact Size and Lightweight
- * Integrated DC/RF Supply – Included!
- * CW or Pulsed Operation – to 25 kHz
- * All Metal Seals for Long Life
- * Low Cost – OEM Configuration
- * Interchangeable Components
- * Fixed Wavelength at 10.6 microns
- * Fixed Linear Polarization



The LC-100NV Advantage

The DEOS RF excited LC-100NV OEM/Industrial Laser brings outstanding beam quality and amplitude stability to the OEM/Industrial user in a super compact package. Ruggedized for the most severe industrial environments, it is second to none.

The LC-100NV features an efficient folded resonator approach contained within an all-metal housing. Metal seals insure both long operational and shelf lifetime. A technology that has stood the test of time for a decade. This structural approach gives the LC-100NV its outstanding beam quality and stability.

The all solid-state RF power supply can be operated either CW or in a pulse modulated mode, allowing the user a wide range of process control. The supply also includes an integrated, universal line voltage, DC supply. This feature allows the LC-100NV to be operated from AC line voltages from 200 to 240 VAC. The RF power supply is connected to the laser head by an industrial quality triple shielded RF cable. Custom lengths are available upon request. All laser heads, RF supplies and cables are interchangeable.

All control and monitoring signals are accessed through a 15 pin D-connector located on the front panel of the RF supply.

The superior performance of the DEOS LC-100NV laser is demonstrated in the high output per unit volume obtained under technology protected by DEOS patents.

Warranty

DEOS guarantees that the output power will exceed the rated power for a period of one year, independent of the actual operating time. DEOS also warrants to the original purchaser, for a period of one year from the date of delivery, the unit is free from defects in material and workmanship. The warranty does not apply to any unit damaged by accident, abuse or operation in a manner inconsistent with the procedures and specifications outlined in the manual supplied with the laser.

NOTE:

The LC-100NV is a laser component that does not include all safety features as required by the Center for Devices and Radiological Health (CDRH). It is sold solely to qualified manufacturers who in their end product, will supply all interlocks and indicators, and will comply fully with CDRH and/or local regulatory agencies.

06/09/99

Model LC-100NV OEM/Industrial

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