

How to Order

- Select the model number desired from "1" (Model Selections).
- Designate the configuration of the laser system by one suffix from each of the configuration fields listed in "2" (Configuration Selections).
- Indicate the desired accessories from among those listed in "3" (Accessory Selections).
- Determine the price by consulting an Infrared Instruments sales representative.

1

Model Selection

IRCO-3

2

Configuration Selection

W

GT

VP

CX

3

Accessory Selection

1 Model Selections

The standard laser system includes the laser head and switching mode DC power supply.

Model No.	Rated Power (Watts)
IRCO-1	1.0/0.3*
IRCO-3	3.0/0.8*

*Indicates the rated output power for grating tunable systems. Grating tunable systems operate on a minimum of 10 transition wavelengths with power in excess of 50 milliwatts per line.

Power Stability: Power stability is achieved by temperature control of the laser bore. The water cooling (W) option with the associated connections and optional temperature-controlled Water Cooling Unit provides improved amplitude stability.

The additional use of the Heater Stabilization (WS) option provides the user with a further improvement in amplitude stability.

Wavelength Selection: All standard lasers oscillate single mode, multiline. Manual micrometer adjustments are used to permit operation at several selectable wavelengths. A calibration chart of power and wavelength vs. micrometer setting and temperature is provided with all tunable laser systems.

Polarization Axis: All standard laser systems are linearly polarized. The angle of the E vector will shift as a function of wavelength and temperature.

An intracavity ZnSE Brewster plate forces vertical or horizontal polarization. Please specify the desired orientation when placing your order.

2 Configuration Selections

Field	Operation	Performance Specification	Suffix
1	Power Stability	< ± 3% Water cooling Heater Stabilization	W* WS*
2	Wavelength	-Multiline/single mode operation -Tunable grating — multiple wavelength selectable	O GT
3	Polarization Axis	Random Vertical Horizontal	O VP HP

* This option require water cooling unit.

3 Accessory Selections

Model	Description*
CX	Cable Extension

*For complete description of Accessories please consult the Accessories Selections Sheet.



For further information and pricing, please contact an Infrared Instruments sales representative.
TEL (760) 599-6650 or sales@infraredinstruments.com