

## GRATING TUNED CO<sub>2</sub> LASER

Model G20

### SPECIFICATIONS\*

#### **General description:**

Grating tuned CO<sub>2</sub> laser, modified from Synrad model 48-2 with manual tuning.

**wavelength:** Selectable from 9.2 to 10.8  $\mu\text{m}$  with a minimum of 60 lines

**power:** at least 8 watts at the most powerful line

**power stability:** +3% with water cooling after 30 minutes warm up

**mode:** near TEM<sub>00</sub>,  $M^2 < 1.4$

#### **Requirements**

**power:** 30VDC at 16 amps.

**water cooling:** 15 to 25 degrees Celsius, above dew point,  $\pm 0.1$  °C stability

#### **Options:**

- Power controller: Synrad model UC-2000
- High speed external cavity modulator, up to 200 kHz, model AO-OP1
- Isotope CO<sub>2</sub> gas fills for wavelengths up to 11.2  $\mu\text{m}$
- Automated line tuning

**Factory warranty:** parts and labor due to manufacturing quality within the first year.

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1. We strive to satisfy custom requirements. Please contact us if you have special needs.
2. Specifications subject to change without notice.

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