

## Specifications

Table 2. Laser specifications.

| Parameter                   | Value                        |
|-----------------------------|------------------------------|
| <b>Operating</b>            |                              |
| Input voltage               | 12 to 18 volts               |
| Input current               | 650 milliamperes             |
| Temperature                 | 0 to 40° C                   |
| <b>Optical</b>              |                              |
| Polarization                | random                       |
| Wavelength                  | 632.8 nm                     |
| Output power                | see label on laser underside |
| Beam diameter (at aperture) | 1 mm                         |
| Beam divergence, maximum    | 2 milliradians, half angle   |
| <b>Electrical</b>           |                              |
| Analog bandwidth, 3 dB      | 600 Hz to 20 k Hz            |
| <b>Storage</b>              |                              |
| Dimensions                  | 5.8 ¥ 8.7 ¥ 36.2 cm          |
| Weight, chassis             | 820 grams                    |
| Weight, power adapter       | 470 grams                    |
| Temperature                 | -20 to 50° C                 |

## Models and Laser Classifications

Table 3. CDRH classifications for Industrial Fiber Optics laser models.

| Laser Model | Classification | Typical power levels |
|-------------|----------------|----------------------|
| IF-HN05     | CLASS II       | .4 to 1.0 mW         |
| IF-HN08     | CLASS II       | .75 to 1.0 mW        |
| IF-HN08M    | CLASS II       | .75 to 1.0 mW        |
| IF-HN15M    | CLASS IIIa     | 1.00 to 2.0 mW       |
| IF-HN20     | CLASS IIIa     | 1.5 to 3 mW          |
| IF-HN35     | CLASS IIIa     | 3.0 to 5.0 mW        |