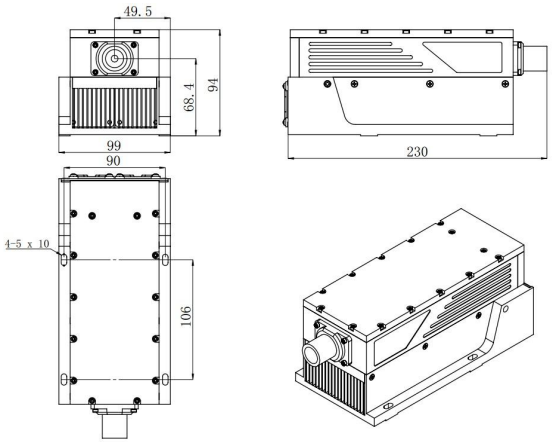
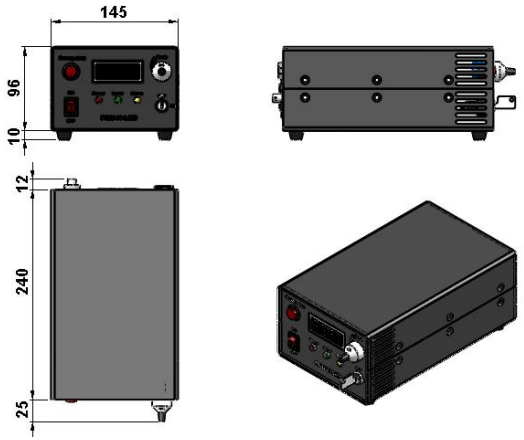
**MDL-XN-8200**/1-1300mW

# INFRARED QCL DIODE LASER AT 8200nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, communication, spectrum analysis, etc.

## SPECIFICATIONS

| | |
|---|---|
| Central wavelength (μm) | 8.2±0.3 |
| Operating mode | CW |
| Output power (mW)[1] | 1-1300 |
| Power stability (rms, 4 hours ± 3°C) | <3%, <2%, <1% |
| Transverse mode | Near $TEM_{00}$ |
| Beam diameter at the aperture (mm) | <3.0 |
| Beam divergence, full angle (mrad) | <5.0 |
| Warm-up time (minutes) | <10 |
| Cooled method | Air cooled |
| Beam height from base plate (mm) | 68.4 |
| Operating temperature (°C) | 10-35 |
| Power supply (100-240VAC) | PSU-H-LED |
| Modulation option | DC-1kHz; TTL and Analog optional |
| Expected lifetime (hours) | >10000 |


| LASER HEAD | POWER SUPPLY[2] |
|---|---|
|  |  |
| 230 (L) ×99 (W) ×94 (H) $mm^3$, 3.0kg | 277 (L) ×145 (W) ×106 (H) $mm^3$, 2.3kg |

1 Any power level can be selected in this range.

2 Output power adjustable 10-100%; RS232 control optional.