

MSL-Ti-793-810/1-200mW

## SINGLE LONGITUDINAL MODE LASER AT 793-810nm

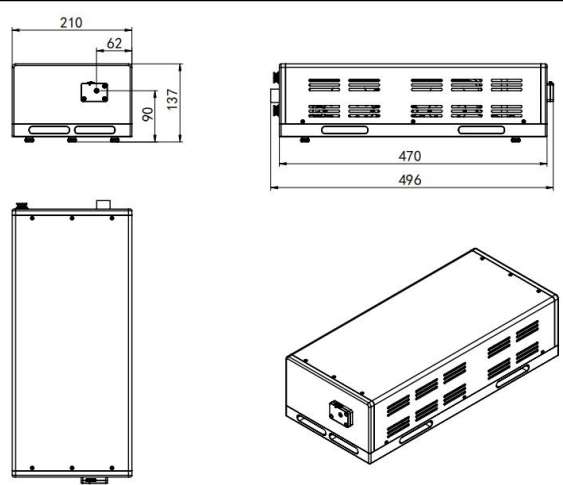
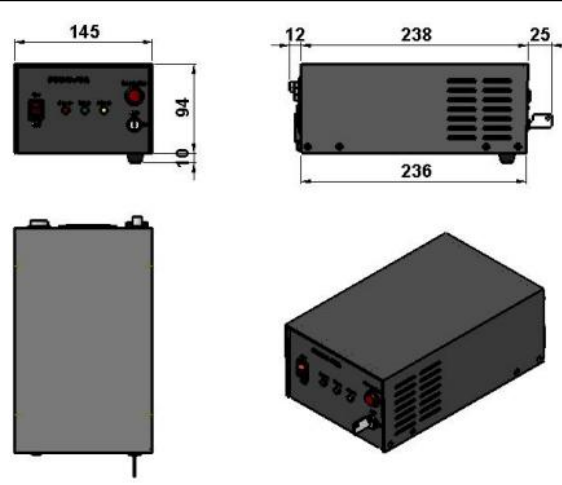
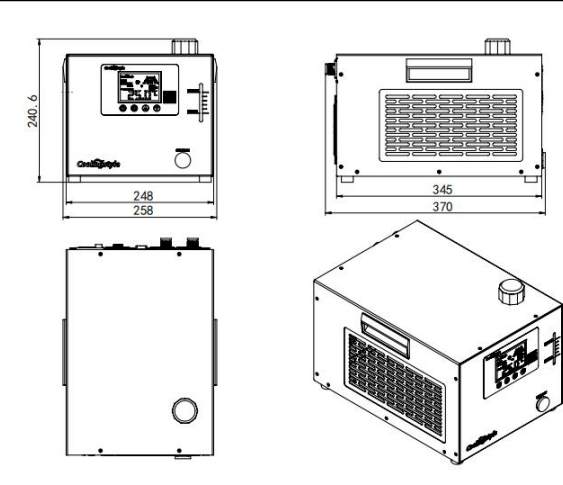
All solid state single longitudinal mode laser at 793-810nm with a narrow linewidth, is optional at any wavelength by customer's requirement, which is widely used in DNA sequencing, cell sorting, optical instrument, spectrum analysis, interference, holography, physics experiment, etc.



### SPECIFICATIONS

|                                          |              |
|------------------------------------------|--------------|
| Wavelength (nm) <sup>1</sup>             | 793-810      |
| Average power (mW) <sup>2</sup>          | 1-200        |
| Operating mode                           | CW           |
| Line width (nm)                          | <0.00001     |
| Coherent length (m)                      | >10          |
| Power stability (rms, 4 hours±3°C)       | <3%, <2%     |
| Beam divergence, full angle (mrad)       | <1           |
| Beam diameter at the aperture (1/e2, mm) | <1           |
| Beam height from base plate (mm)         | 90           |
| Warm-up time (minutes)                   | <10          |
| Cooled method                            | Water Cooled |
| Operating temperature (°C)               | <10          |
| Power supply (100-240VAC)                | PSU-H-FDA    |
| Expected lifetime (hours)                | >10000       |



| LASER HEAD                                                                                                                                 | POWER SUPPLY                                                                                                                                 | WATER CHILLER                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>496 (L) × 210 (W) × 137 (H) mm<sup>3</sup>, 12kg</p> |  <p>238 (L) × 145 (W) × 94 (H) mm<sup>3</sup>, 4.5 kg</p> |  <p>370 (L) × 258 (W) × 240 (H) mm<sup>3</sup>, 8.3 kg</p> |

1 Any wavelength optional, untunable.

2 Any power level can be selected in this range.