

### AO-RM Series

#### RAMAN PULSED LASER

AO-RM UV laser can be used for UV curing, micro-electronics, metrology and material processing ,laser medical treatment, scientific experiment.

AO-RM yellow and orange laser can be used for laser cosmetology, spectroscopy and sensing.



#### SPECIFICATION

|                                                       |                          |       |       |        |        |
|-------------------------------------------------------|--------------------------|-------|-------|--------|--------|
| Wavelength (nm)                                       | 280±1                    | 287±1 | 295±1 | 560±1  | 590±1  |
| Operating mode                                        | Acousto-Optic Q-switched |       |       |        |        |
| Average power (mW)                                    | 1-70                     | 10-60 | 1-70  | 1-1000 | 1-1000 |
| Pulse duration (ns)                                   | <25ns                    |       |       |        |        |
| Rep. rate (kHz)                                       | 5                        |       |       |        |        |
| Single pulse energy (μJ)                              | 1-14                     | 1-12  | 1-14  | 1-200  | 1-200  |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | <4                       |       |       |        |        |
| Beam divergence, full angle (mrad)                    | <6                       | <6    | <6    | <3     | <3     |
| Ave power stability (over 4hours)                     | <5%, <3%                 |       |       |        |        |
| Warm-up time (minutes)                                | <10                      |       |       |        |        |
| Operating temperature (°C)                            | 15~30                    |       |       |        |        |
| Expected lifetime (hours)                             | 10000                    |       |       |        |        |

Website: [www.precisometer.com](http://www.precisometer.com) E-mail: [info@precisometer.com](mailto:info@precisometer.com)