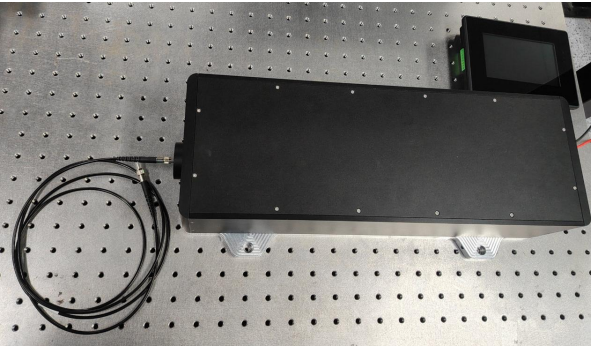


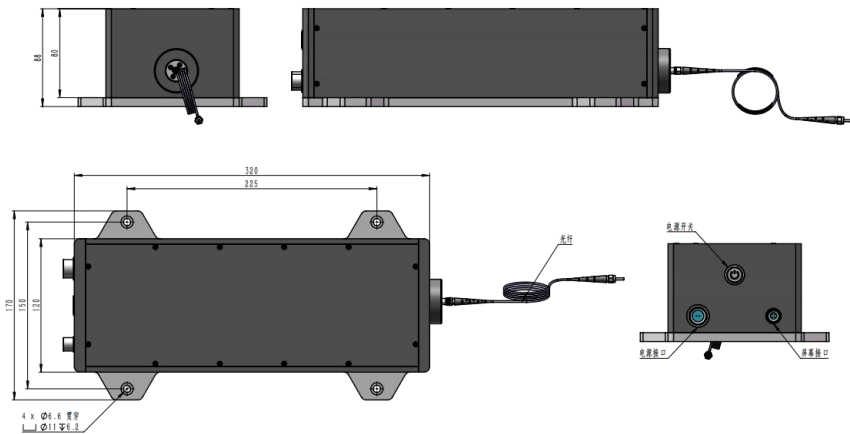


UV355D20-320x170x80-MMF

Applications

- Laser mass spectrometry
- Scientific Experiment
- Optical Instrument

Dimensions (Unit: mm)



Specifications

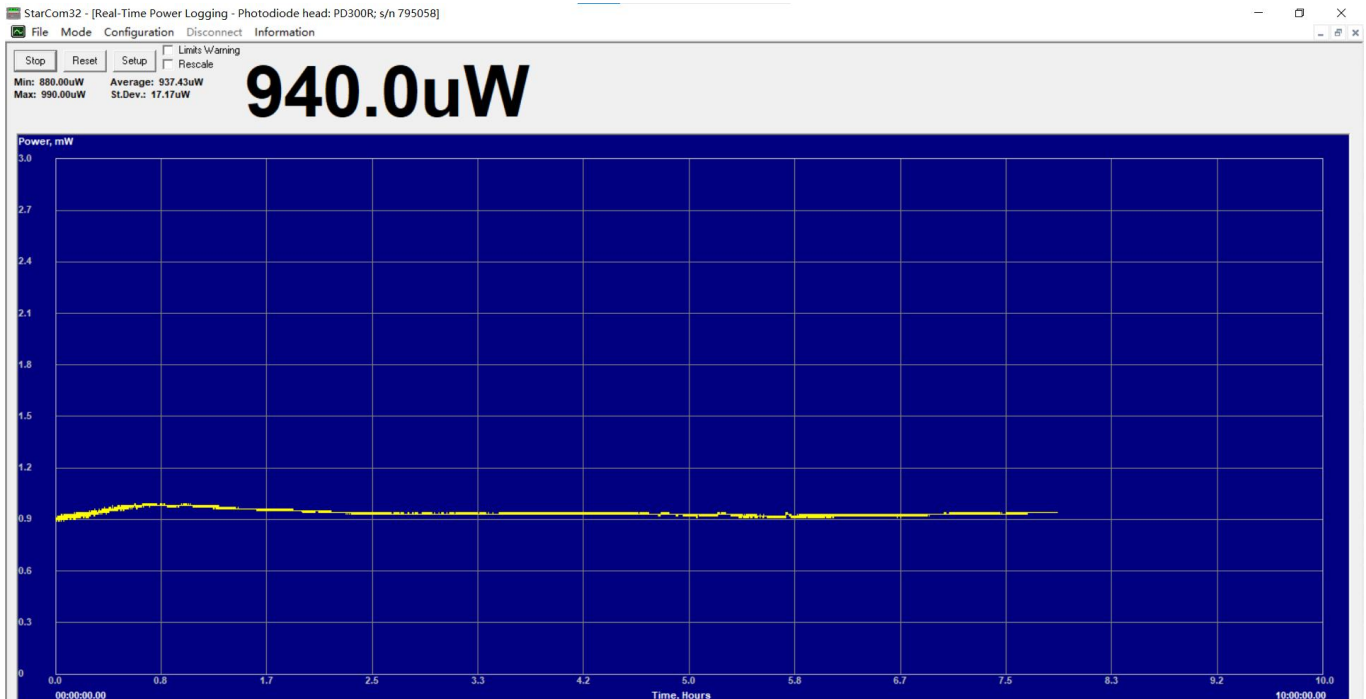
| Specifications                                       |                    |                            |         |      |
|------------------------------------------------------|--------------------|----------------------------|---------|------|
| Model Number                                         |                    | UV355D20-320x170x80-MMF    |         |      |
| Mechanical Specifications                            |                    | Min                        | Typ     | Max  |
| Laser Head                                           | Width x Length(mm) | -                          | 320x170 | -    |
|                                                      | Height (mm)        | -                          | 80      | -    |
|                                                      | Weight (g)         | -                          | -       | 5000 |
| Housing Material                                     |                    | Anodic oxidation treatment |         |      |
| Optical Specifications                               |                    | Min                        | Typ     | Max  |
| Wavelength (nm)                                      |                    | -                          | 355     | -    |
| Output Energy (uJ)                                   |                    | -                          | 20      | 25   |
| Energy regulation accuracy                           |                    | -                          | 1%      | -    |
| Power Stability at const. Temperature <sup>(1)</sup> |                    | -                          | 2%      | 3%   |
| Output Power Mode                                    |                    | Pulse                      |         |      |
| Laser Class                                          |                    | 3B                         |         |      |

<sup>(1)</sup> after max. 10 minutes , RMS.

|                                          |                                |                       |            |            |
|------------------------------------------|--------------------------------|-----------------------|------------|------------|
| Repetition Frequency(Hz)                 |                                | -                     | 50         | -          |
| Pulse width(ns)                          |                                | -                     | -          | 3          |
| Fiber                                    | Core Diameter( $\mu\text{m}$ ) | -                     | 200        | -          |
|                                          | NA                             | -                     | 0.22       | -          |
|                                          | Length(m)                      | -                     | 2          | -          |
|                                          | Connector                      | SMA905 <sup>(2)</sup> |            |            |
| Beam Mode Longitude                      |                                | Multi                 |            |            |
| Beam Mode Transverse                     |                                | -                     |            |            |
| Polarization Ratio (Linear)              |                                | 1:1                   | -          | -          |
| Residual IR                              |                                | -                     | -          | 3%         |
| <b>Electrical Specifications</b>         |                                | <b>Min</b>            | <b>Typ</b> | <b>Max</b> |
| Power Type <sup>(3)</sup>                |                                | DC                    |            |            |
| Power Voltage                            |                                | 12V                   |            |            |
| Power Operating Current                  |                                | 2A                    |            |            |
| Control Panel Size                       | Width Height (mm)              | -                     | 118x24     | -          |
|                                          | Length (mm)                    | -                     | 160        | -          |
| <b>Reliability</b>                       |                                | <b>Min</b>            | <b>Typ</b> | <b>Max</b> |
| Operating Ambient Temperature Range (°C) |                                | 10                    | 25         | 30         |
| Warm up Time (mins)                      |                                | -                     | 10         | 15         |
| Storage Temperature (°C)                 |                                | 0                     | -          | 40         |
| Environmental Humidity (RH, %)           |                                | 5                     | -          | 85         |
| Lifetime (hours) (MTTF at 25°C)          |                                | 5,000                 | -          | -          |
| RoHS Compliance Declaration              |                                | Yes                   |            |            |

<sup>(2)</sup> Fiber connector can be customized

**Picture 1: Power Stability Over 8h (Example)**



**Picture 2: Wavelength (Example)**

