

Deuterium & Halogen Light Source (180-2500 nm)

ATG1020

Features

- All range output: 180-2500 nm
- Including UV, Visible, infrared
- Excellent performance, P-P stability <0.005%.
- Fiber output or free space
- Long life: Deuterium: 3000 hours,
Halogen: 5000 hours
- Fibers: Promote anti-UV fiber from Optosky

Applications

- Air & Water Quality Analysis
- UV gas analysis
- Biotechnology Applications
- Food & Beverage Quality Control
- Metallurgical Analysis

Description

ATG1020: deuterium lamp light source adopts the deuterium lamp bulb of Hamamatsu Corporation of Japan, which can produce a stable output spectrum of 180-400nm. Its peak-to-peak stability is less than 0.005% and the drift is only $\pm 0.5\%/h$.

The tungsten halogen lamp adopts the long-life, high-stability bulb produced by Osram, with a service life of up to 5,000 hours; the self-designed high-reliability constant current driving current is adopted.

ATG1020 has the characteristics of long life, low light decay, high output power, etc. It can be widely used in traditional desktop spectrometers and field portable miniature spectrometers.

ATG1020 deuterium halogen light source can be equipped with a cuvette holder, which can directly perform transmission absorption of cuvette or filter.



1 Parameters

| ATG1020 | |
|--------------------|----------------------------|
| Size(H): | 200mm x 110mm x 150mm |
| Weight: | 3 kg |
| Wave range: | 180-2500 nm |
| P-P stability | <0.005% at 250 nm |
| Drift | +/-0.5% per hour at 250 nm |
| | 40 minutes |
| Power of Deuterium | 30 W |
| Bulb life | 3000 hours |
| Power of Halogen | 20 W |
| Bulb life | 5000 hours |
| Warm-up time | 15 minutes |
| Work temperature | -10 °C - 40 °C |
| Humidity | 5-95% |
| Output | SMA905fiber or free space |
| Voltage and power | 85-264 V, 50/60 Hz; 60 W |

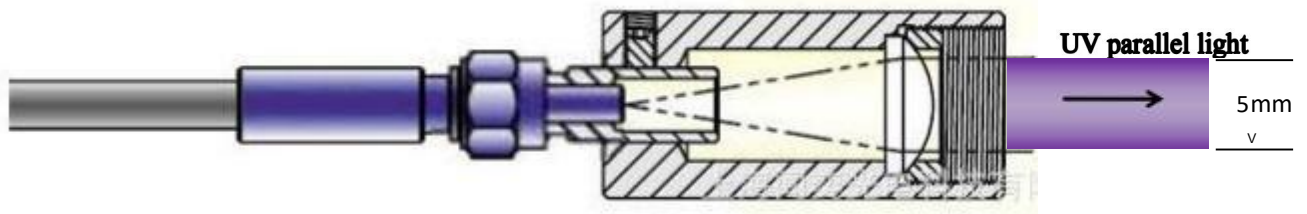
2. Other Accessories



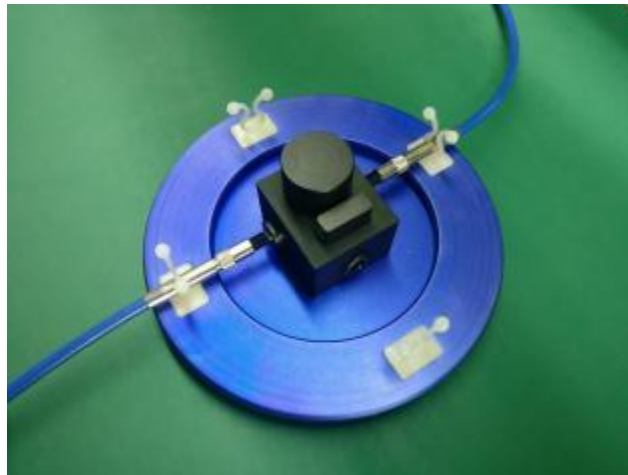
Pic. 1 Customized 1.5 m long 2-to-1 anti-UV fiber



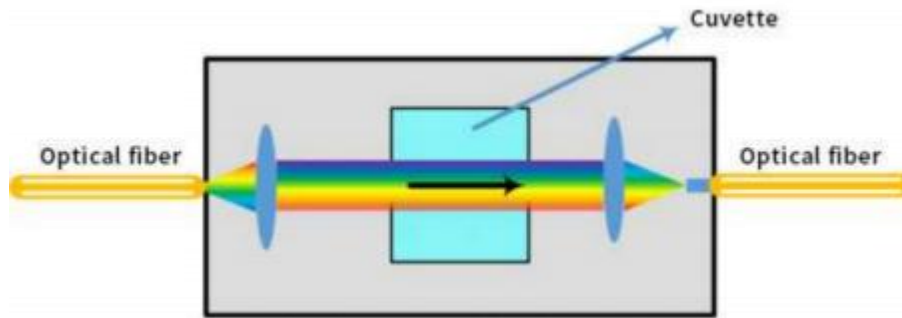
Pic. 2 Collimator for fiber



Pic. 3 Collimator for fiber



Pic. 4 cuvette holder



ATP0080 sample cell

