OPTOSKY
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Datasheet

Deuterium & Halogen Light Source (180-2500 nm) ATG1020

Features

- All range output：180-2500 nm
- Including DUV, Visible, infrared；
- Excellent performance, P-P stability <0.005%.
- Fiber ouput or free space
- Long life:
- Deuterium: 3000 hours；
- Halogen:5000hours；
- Fibers:Promoteanti 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 ±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.

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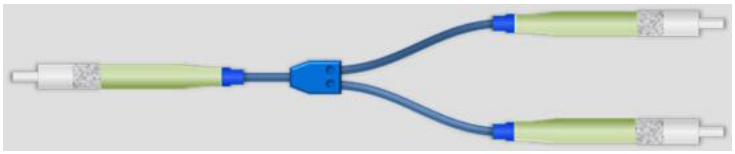
1 Parameters

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
life	3000 hours
Power of Halogen	20 W
life	5000 hours
Warm-up time	15 minutes
Work temperature	-10 ℃ - 40 ℃
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

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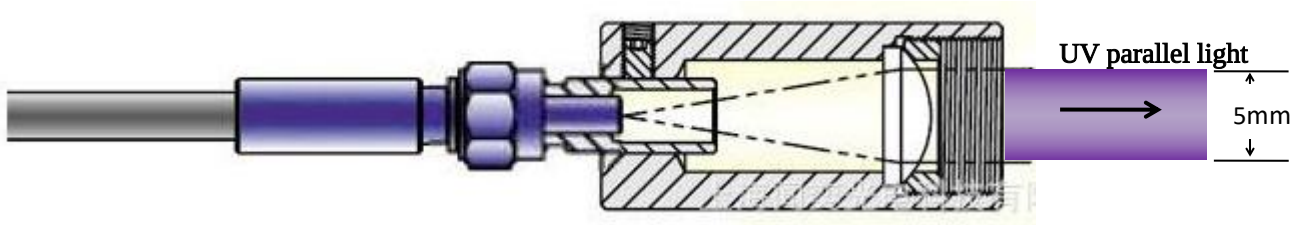
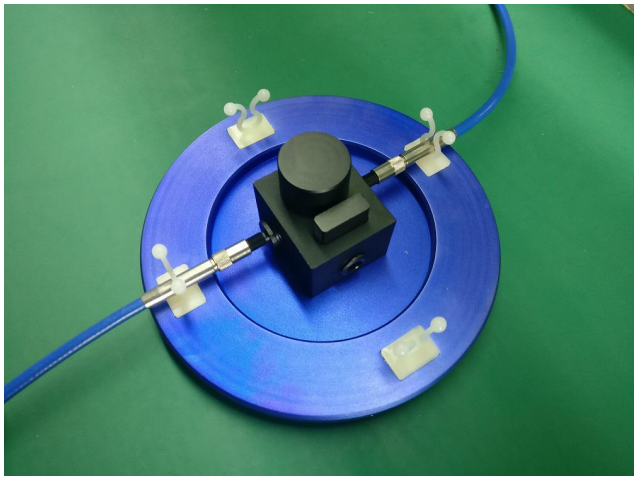


Pic. 3 Collimator for fiber



Pic. 4 cuvette holder

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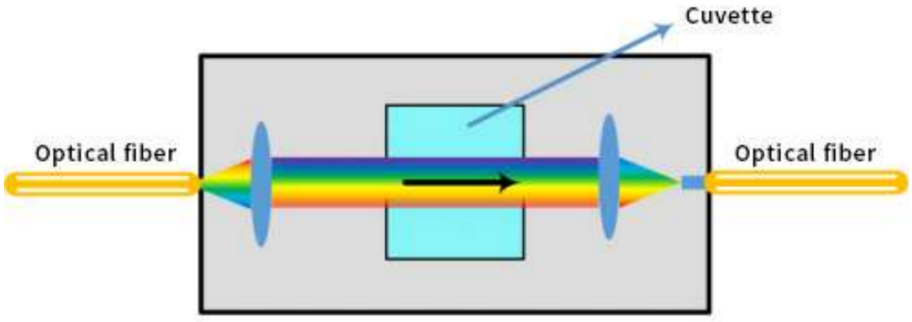
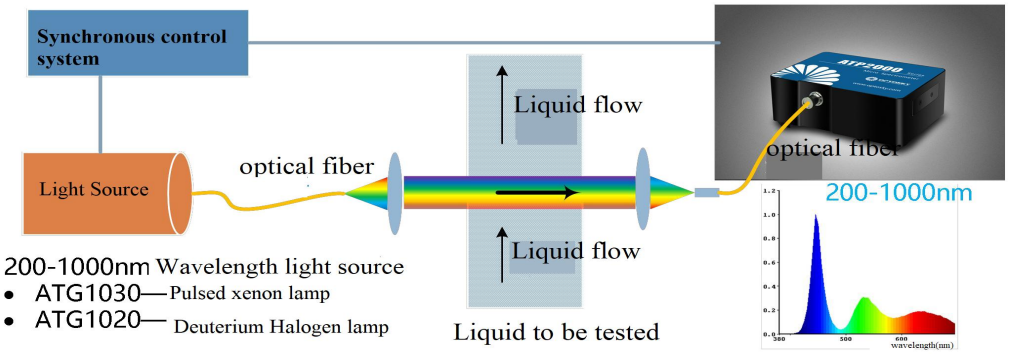


ATP0080 sample cell



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