MIR& FIR Light Source	ATG2810

Features

- Band: 1-14 μm

- High stability, drift less than 0.2% per hour

- Small volume

- Light source life: >30000 hours

- Preheating time: 30 s

- Light efficiency: 61.451lm/w

- The luminous position is accurate, the position is

±0.127

- Light intensity output: 0-100% linear adjustment

Application

- Spectrum online measurement

- Absorbance analysis

- Reflectance analysis

- Automated industry

- Photoelectrochemical test

- Transmittance/Reflectance Analysis

Description

ATG2810 is a fast response, small size, high stability of the middle and far infrared instrument light source system, earthquake resistance, impact resistance, strong performance, can fully ensure the consistency of experimental conditions. It achieves a long life (more than 5,000 hours), high stability, high uniformity, and no flicker that cannot be matched by other light sources. The light source is mainly concentrated in the mid- and far-infrared region and has a perfect spectral curve, which is ideal for absorbance detection. The ATG2810 can perform SMA905 output light, which is precisely adjusted to connect to the fiber at maximum luminous flux. ATG2810 can also output light sources in free space.

ATG2810 can realize the arbitrary adjustment of light output intensity, easy to control and has the characteristics of good color temperature and color rendering, small light decay, etc., and can be widely used in traditional desktop spectroscopy instruments and field portable micro-spectroscopy instruments.

1. Performance

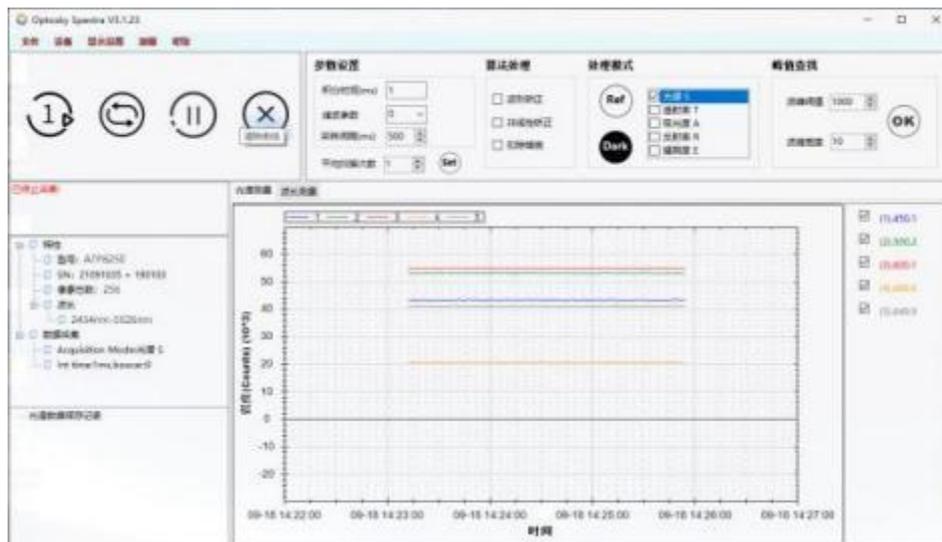| Performance	Parameter
Wavelength Range	1- 14um
Modulation Depth	70%@2.5hz
Maximum Working Current	1000mA
Working Voltage	5V
Maximum Output Power	5 W
Output Optical Power Adjustment Method	Rotary Switches
Light Source Life	>30000 hour
Light Output Drift	< 0.2% per hour
Power Interface Model	DC interface
Operating Temperature	25°C ±10°C
Storage Temperature	25°C ±10°C
Size	80×78×45 mm
Weight	85 g
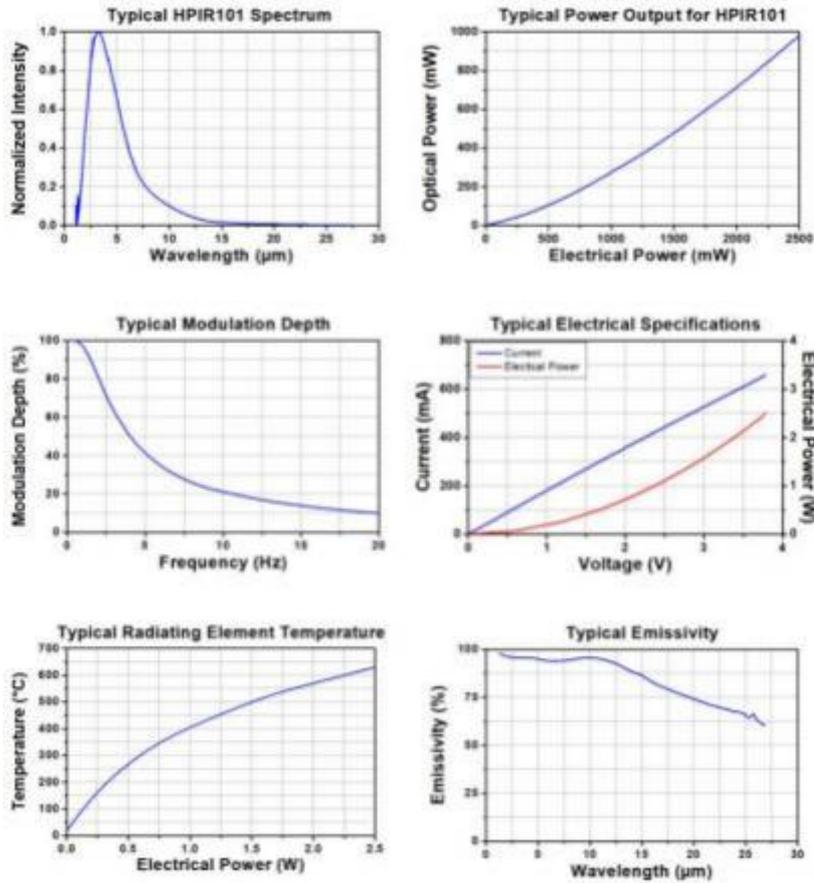
Figure 1 Output Spectrum of ATG2800

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2. Mechanical Dimensions

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