

2-16um MIR & FIR Light Source

ATG2800

Features

- Band: 2-16um
- 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

ATG2800 is a light source system for mid-to-far infrared instruments with fast response, small size, and high stability. It is shock-resistant, impact-resistant, and has strong performance, which can fully guarantee the consistency of experimental conditions. It has achieved long life (over 30,000 hours) unmatched by other light sources, high stability, high uniformity, and no flicker.

The light source is mainly concentrated in the middle and far infrared region, and has a perfect spectral curve, which is very suitable for the detection of absorbance. ATG2800 can carry out SMA905 output light, which has been precisely adjusted to connect with optical fiber with maximum luminous flux. ATG2800 can also output light source in free space.

ATG2800 can realize arbitrary adjustment of light output intensity, is easy to control and has good color temperature and color rendering, low light attenuation, etc., and can be widely used in traditional desktop spectrometers and on-site portable miniature spectrometers.



1. Basic model and parameter list

Performance	Parameter
Wavelength Range	2-16um
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

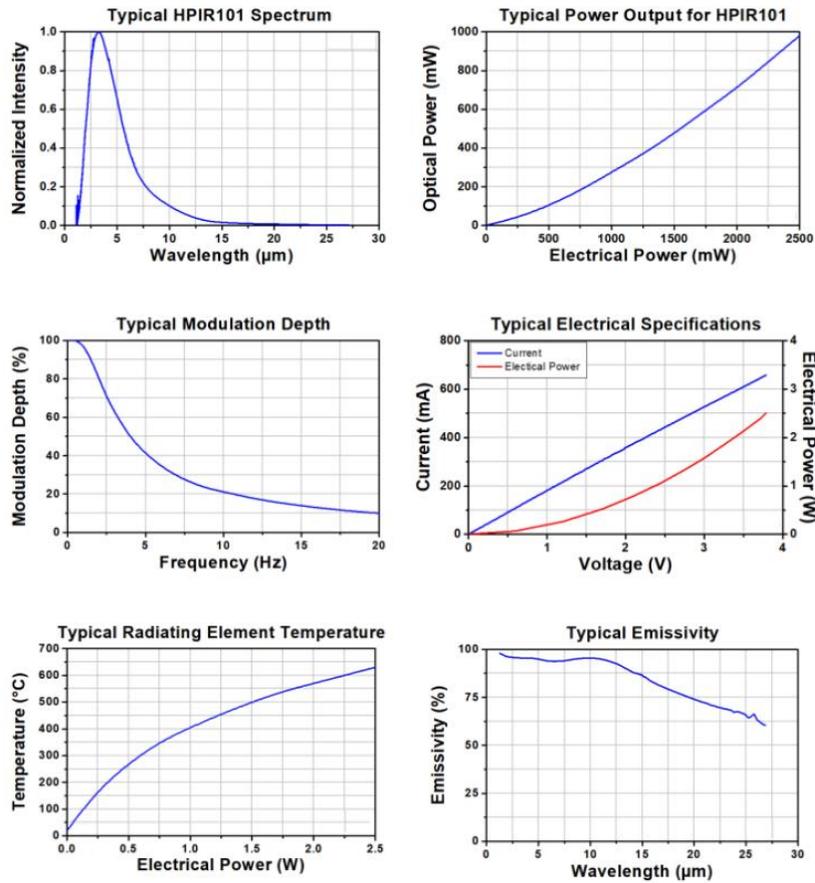
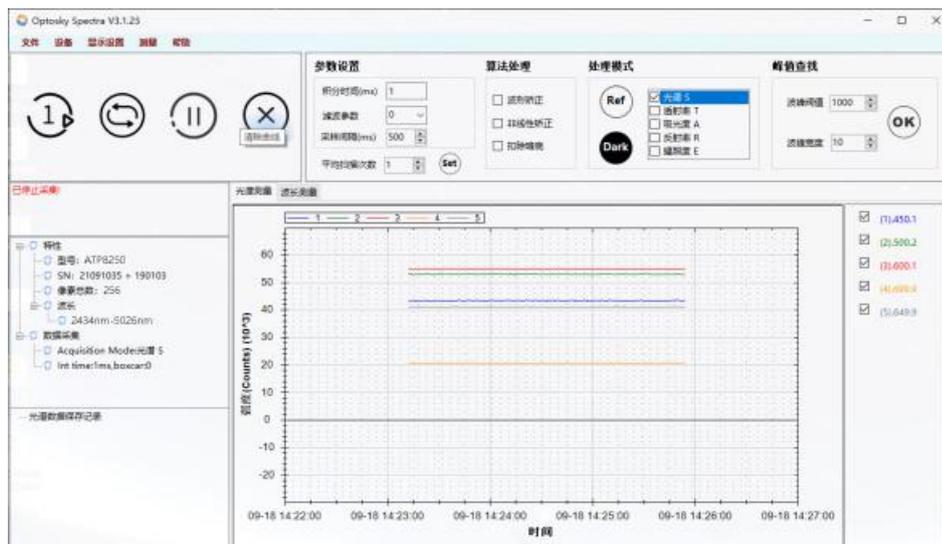


Figure 1 Output Spectrum of ATG2800



2. Appearance



3. Mechanical Dimensions

