

Приборы измерения толщины тонкой пленки серии ATGX500

Технические характеристики

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Full-spectrum Transmission Measure Set

ATGX500

Features:

- Non-Destructive, Fast Detect & Identify, One-touch Operation;
- Broad spectrum range: 200nm-2500nm;
- Different modes for different material;
- Flexible transmission measurement Solution, Capable for entire spectrum transmittance ;
- High-precision, fast detection , high stability
- Wavelength Repeatability: 0.1nm;
- High SNR, Minimize stray light;
- SNR: $\geq 1000 : 1$;
- Short detect time;
- Adjustable measuring spot, suitable for samples of different sizes;

Application:

- IR hole of phone cover plate
- Various films transmittance measure
- Flash lamp hole transmittance measure
- Transmittance of coated mirror, glued mirror, parallel plate
- Measure transmission of solar film and filter
- Light focusing glass, frosted glass, lens
- Jewelry and coating measure
- Lens transmittance measure

Description:

ATGX500 is a new full-spectrum transmittance measurement system newly designed by Optosky. A set of system with high accuracy, easy operation, Low price. Capable for transmittance of the full spectrum, has the characteristics of fast, simple and accurate. It can quickly detect the transmittance of mobile phone panels and various transparent and semi-transparent products, suitable for optical, chemical engineering and scientific research fields!

It employs excellent spectrometer to receive spectrum, and built-in homogenizing system can reshape light beam of transmitted spectrum, measured light spot adjustable, it can better match different size sample measure, the area measure can be more reliable than single point measure.

Intuitive & friendly user interface enable technician and non-technician can complete measure at a ease, the excellent hardware configuration and advanced multivariate can ensure accurate, consistent and reliable results in lab , Quality guarantee and efficient production can be integrated just in one instrument!

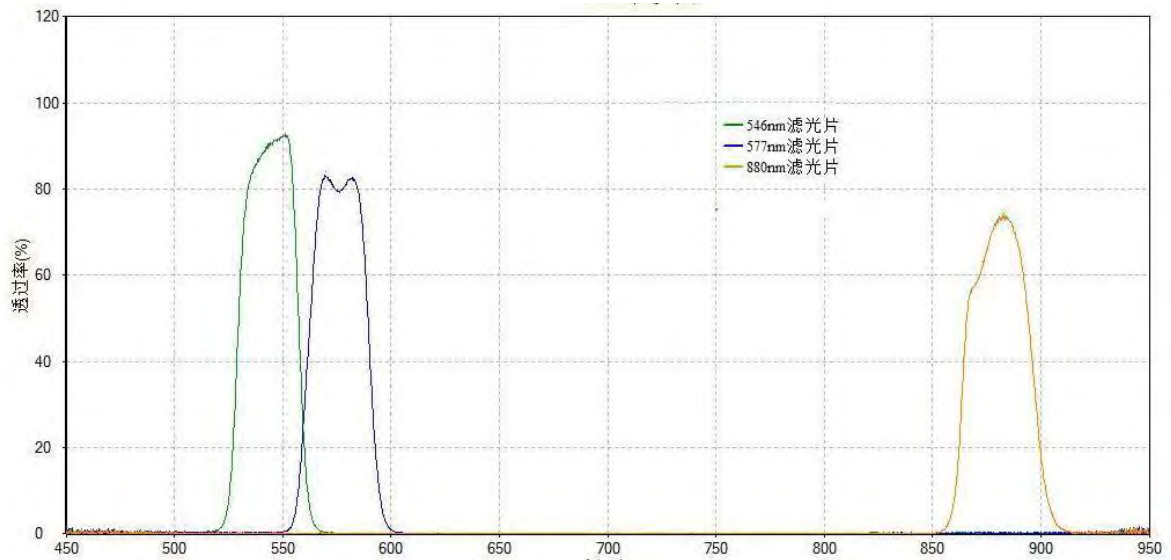


DATASHEET

ATGX500 Full-spectrum transmittance Measure Meter				
Model No.	ATGX500	ATGX500-I	ATGX500-II	ATGX500-III
Interface	SMA905	SMA905	SMA905	SMA905
Wavelength	200-1000nm	200-1000nm	200-900nm	900-2500nm
Detector	HAMAMATSU CCD	HAMAMATSU CCD	HAMAMATSU CCD	InGaAs detector
Resolution	2048 x 64	2048 x 64	1044 x 64	256 to 512
TE cooled CCD	uncooled	cooled	cooled	cooled-20°
Features	Cost-effective	High stability	Long integral time high stability	High sensitivity
SNR	> 600:1	> 800: 1	> 1000:1	> 300: 1
Wavelength accuracy	1-3nm	1-3nm	1-3nm	1nm-5nm
Dimension	≥Φ1.5mm			
Incident angle	0° incident angle			
Time per Sampling	< 1s			
Detection accuracy	< 1%	< 0.4%	< 0.2%	< 1%
Wavelength Repeatability	0.1nm	0.1nm	0.1nm	0.1nm
Light source	Deuterium Halogen and Pulsed Xenon(Optional)			
Source Life span	2000 h			
System/Interface	Windows , USB2.0			
Power supply	220V			
Dimension	345*290*260mm			
weight	5.35KG			
Storage Temp	-20°C to +70°C			
Working Temp	-10°C to +40°C			

DATASHEET

Fast and flexible spectrum detection, measure speed as fast as 1 second can export any wavelength data and spectrum, which applied to real-time and online measurement.



Application:

ATGX500 is a set of full-wavelength 0-degree transmittance measure unit covering 200-2500nm. It can quickly and accurately measure the transmittance of various flat optical components. It can be used for real-time online inspection to full inspection. It is suitable for the detection of flat optical elements such as prisms, coated mirrors, glued mirrors, parallel plates, solar films, and filters.

DATASHEET



IR hole of mobile phone panel



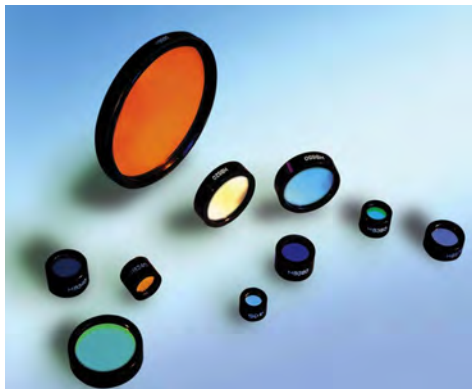
Coating transmittance test



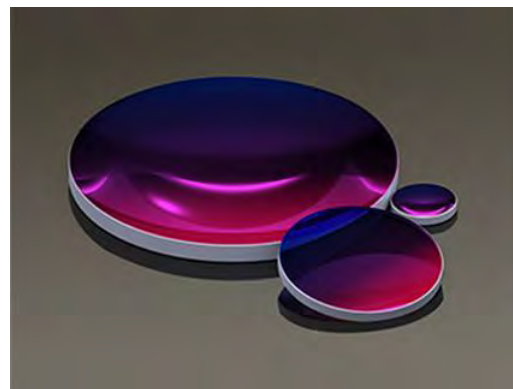
Various types of glass



Jewelry diamond



Filter



Lens transmittance test



Lens transmittance test



Film transmittance test



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