

PMT - 3006

UV Visible Spectrophotometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Features

- Multi-application
Various Optional Accessories
- Intelligent & Reliable
Mercury Lamp for Auto Calibration
- Flexible
Continuous Adjustable Bandwidth
- Sensitive
Fast Response

►► PART 1 Perfect Design & Premium Quality

Advanced Technics Design

- Precision injection molding case promises robust structure and longer lifetime.
- Modern & smart design attracts more attention.

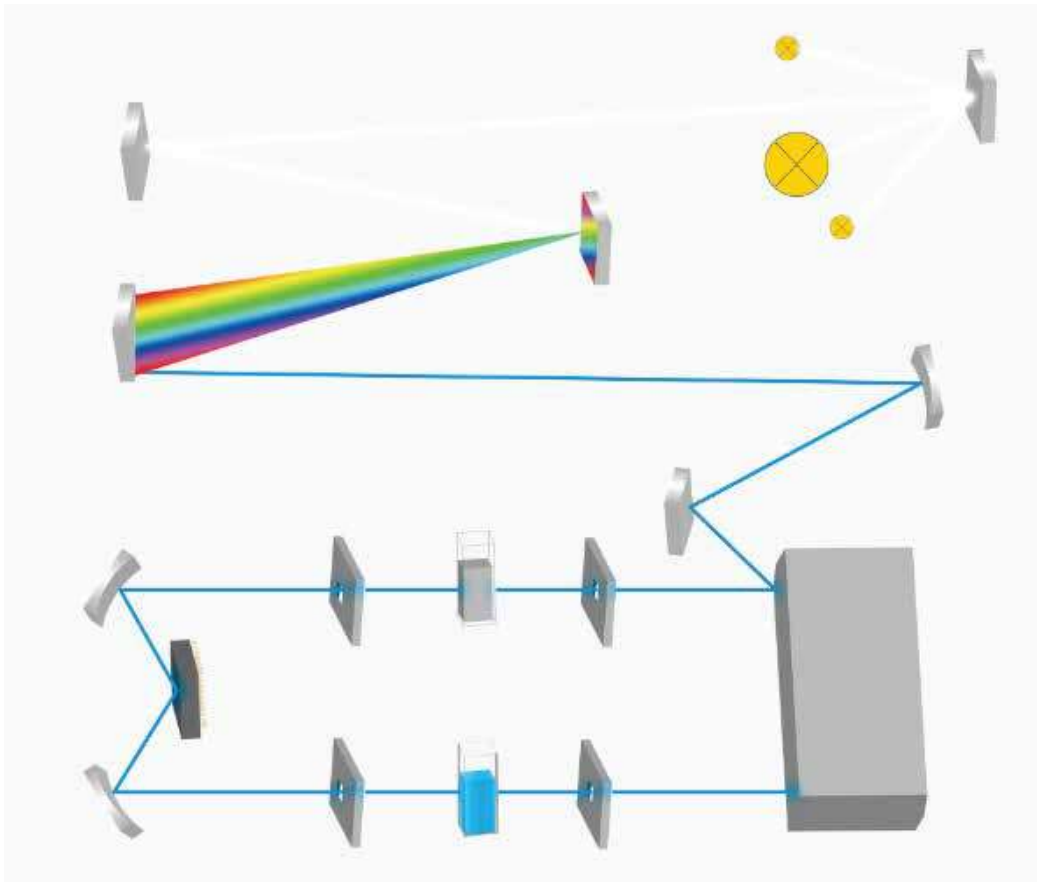
Environmental Care

- Compact structure, 30% installation space saved.
- Strong built-in cooling fan, 10% energy saved.

High Stability & Reliability

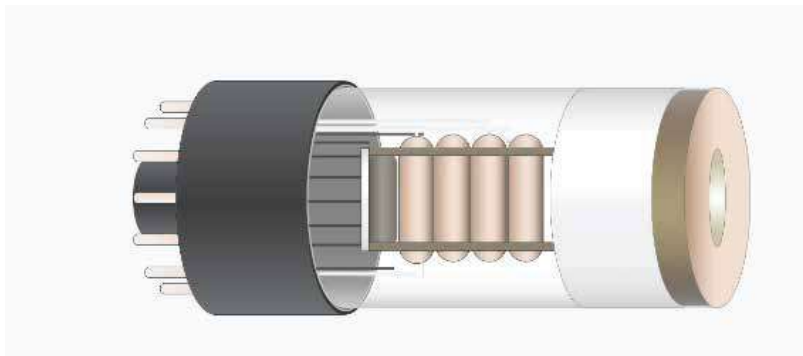
- Imported high-quality deuterium lamp & tungsten lamp. A mercury lamp equipped, one-key calibration for wavelength accuracy.
- Unique C-T optical structure, ultra-low stray light.
- Premium lens and lens coating, high repeatability.
- Real-time automatic calibration of dark current.
- Equipped with computer simulation optimized optical base.
- Dual beam optical path system, lower influence on test results.
- Multiple curve fitting makes curve regression more accurate.





Sensitive Detection

- High-quality photomultiplier, fast response, high sensitivity.
- Especially suitable for weak radiation energy detection.



►► Adjustable Bandwidth

- Continuous adjustable spectral bandwidth from 0.1nm to 5nm; 0.1nm variable interval, suitable for various requirements; Especially for samples with sharp absorption peaks, like penicillin sodium, penicillin potassium, etc.



When spectral bandwidth (SBW) of the instrument and natural bandwidth (NBW, generally 20nm) of the tested sample is less than or equal to 1, that is, $RBW \leq 1$, the instrument can meet 99% requirements of the sample analysis, and the accuracy is more than 99%. According to the pharmacopoeia requirements, even the instrument with fixed bandwidth (1.8nm) can also fully compliant with the test requirements.

►► Multi-application

- Various optional accessories, like automatic 8-position cell holder, multi-function automatic sampler, thermostatic cell holder, integrating sphere, mirror reflection accessory, variable optical path cell holder and adjustable solid cell holder, etc. Extends the application range, combining the requirements of common samples and special ones.





►► Efficient and Convenient

- Higher efficiency with optional auto 8-position cell holder and high throughput 100-position autosampler.

- User-friendly software interface.

Comply with GLP/GMP standards, user management, logging and data tracking are available.

- Independent modular design, lower maintenance cost.

Socket type of lamps, easy replacement and no need to adjust optical path.

- Large sample chamber, enough room for operating and replacing sample.

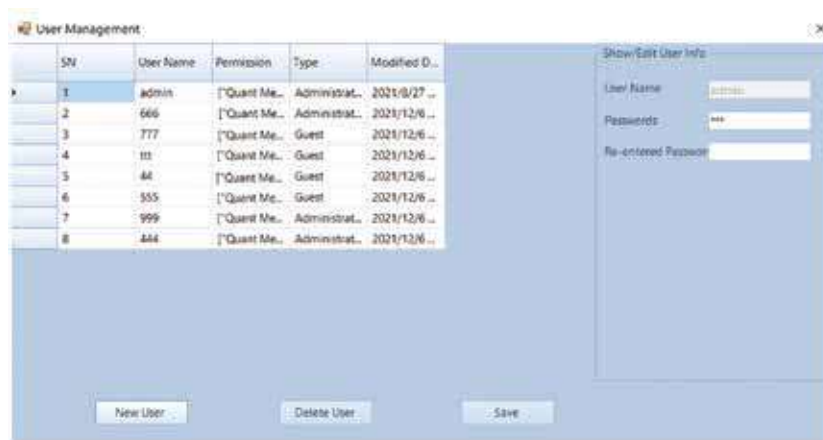


►► PART 2 Professional Operating Software

Follow GLP/GMP standards, user management, logging, data tracking, etc. are all available.

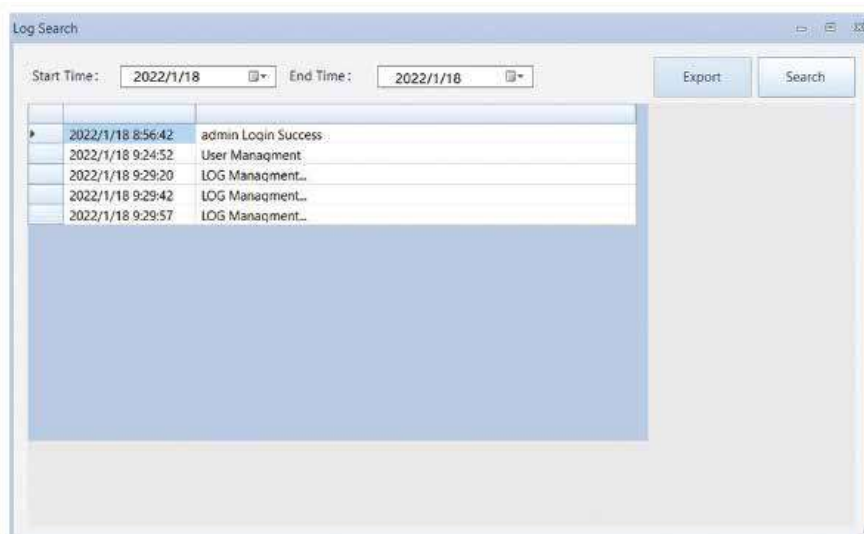
►► User management

- Allow administrator to create new users and manage permissions;
- Each user logs in to the operation platform with the corresponding account and password;
- Operators can be upgraded to administrators as needed;



►► Log management

- Daily operation records can be automatically recorded;
- Log can be retrieved according to specific time, exported and saved in corresponding format.



►► Measurement

Photometric measurement, quantitative measurement, spectral scanning, dynamic analysis and

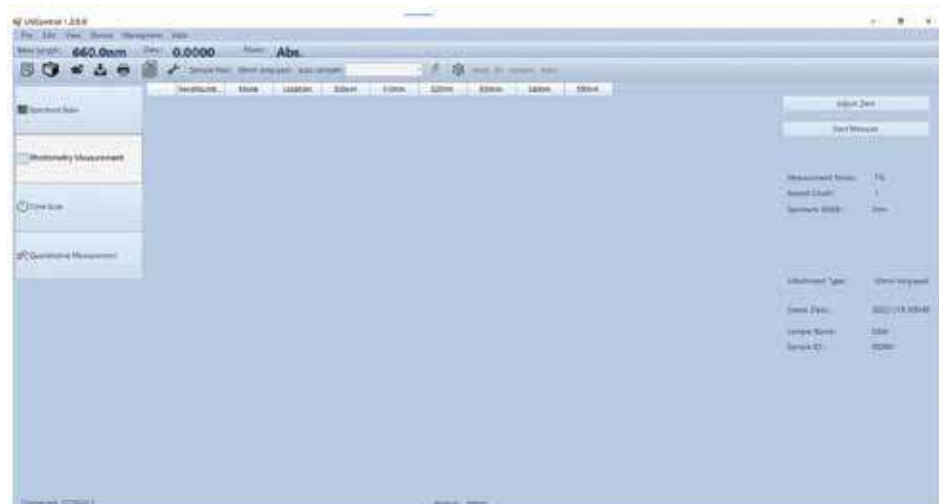
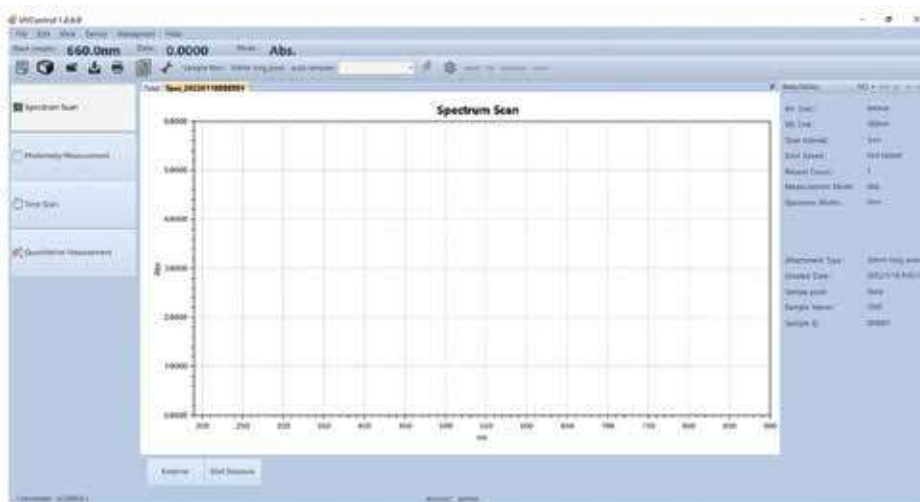
other measurements are all available, it also has powerful data processing capabilities.

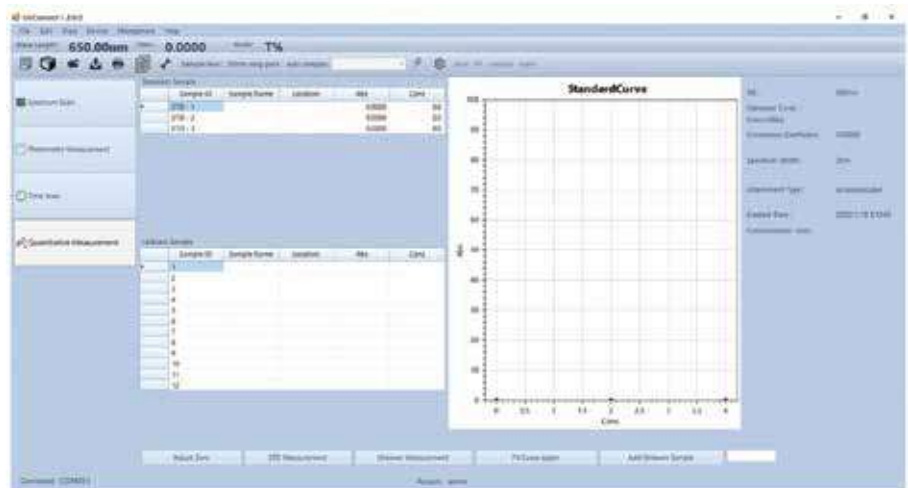
- 8 scanning intervals, 0.025 nm/0.05 nm/0.1 nm/0.2 nm/0.5 nm/1 nm/2 nm/5 nm for choice.

Scanning speed is optional in 4 levels, and covers a variety of measurement modes (Abs, T%, E or R%).

User can retrieve peaks and valleys, extract directional data as needed.

- Photometric measurement can realize absorbance, transmittance, reflectivity or energy measurements at fixed wavelengths.
- Time scanning provides kinetic analysis, customizable scan range (wavelength start point and end point), scan interval, measurement mode.
- Quantitative analysis provides mg/l, ng/ml, ng/ml, mg/ml, mg/ml, mg/l, ppb, ppm, mol/l and other concentration units to choose





Light Time

Deuterium lamp: Hour

Reset

Tungsten lamp: Hour

Reset

Close

The accumulated service time of light sources is automatically recorded, one-key restoring the timekeeping after new light source replaced.

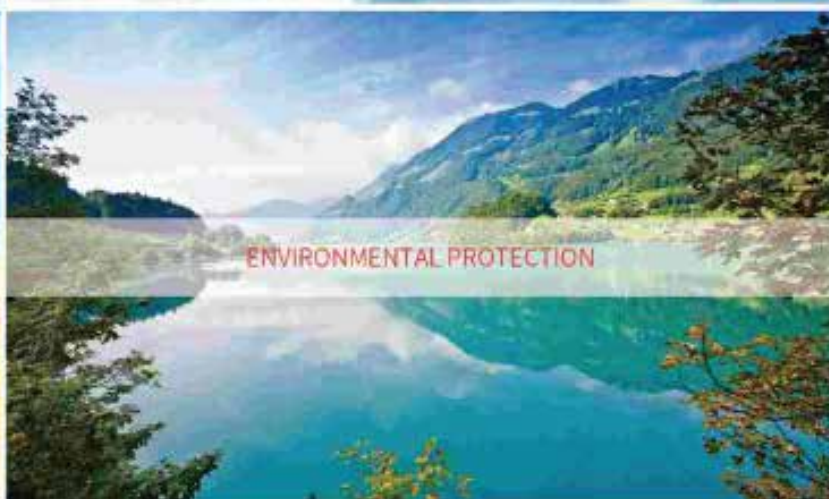
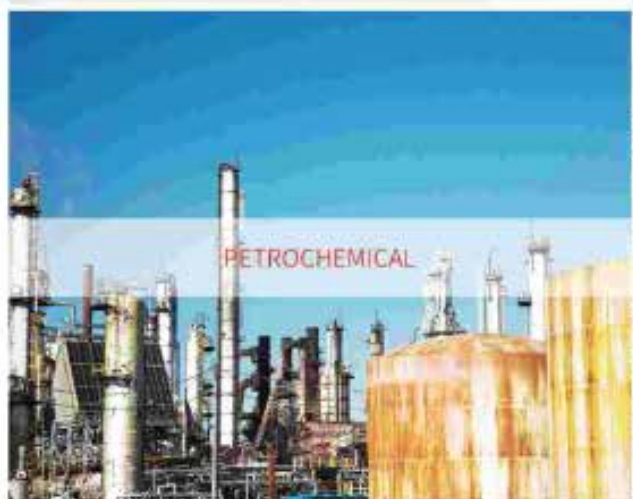
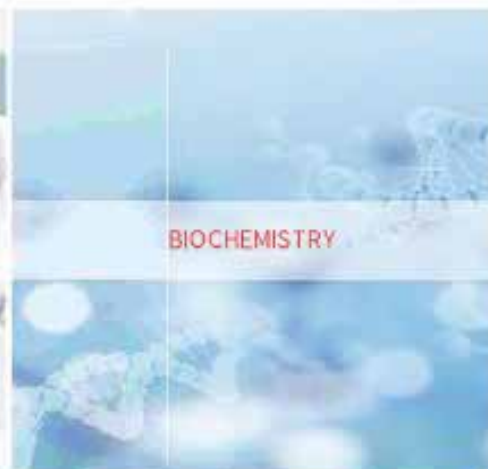
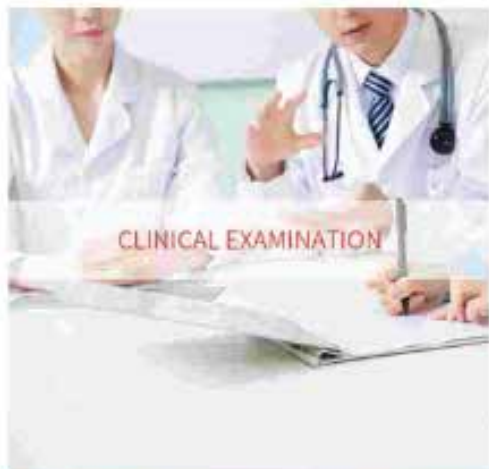
►► Technical Specification

Model	PMT 3006
Optical System	Double Beam
Detector	PMT
Light Sources	Deuterium Lamp, Tungsten Lamp, Mercury Lamp
Control Mode	PC software controlled
Wavelength Range	190nm-900nm
Spectral Bandwidth	0.1nm-5nm (0.1nm interval continuously adjustable)
Wavelength Accuracy	±0.3nm
Photometric Accuracy	±0.3%
Stray Light	<0.005% (@220nm&360nm)
Baseline Flatness	+0.0005 Abs (190nm-850nm)
Stability	<0.0001 Abs/h
Power Supply	AC 220 V/ AC 110V, 50/60Hz, 500W
Dimensions (L*W*H)	500*550*260 mm

►► Services and Supports

- Online technical supports.
- 12 months warranty.
- Response within 12 hours.
- Flexible OEM/ODM service.

►► Application



HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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