

# TS - 3000 Series

## Micro Spectrophotometer



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Features

- Light source: long life pulsed xenon flash lamp
- Detection time: less than 5s
- Data can be transferred via USB port
- No need to warm up, boot at any time
- Save data permanently, you can export or delete it at any time
- Built-in WIFI for remote assistance Unlimited print test results
- Built-in fiber to avoid fiber breakage caused by external force collision, resulting in chaotic measurement results
- The Measurement results are automatically saved to spreadsheet mode
- 32GB hard drive save history data function
- High-definition 7inch touch-screen to directly display the data
- Win10 operating system, convenient and quick

## ►► Specification

Model	TS 3500S	TS 3510S	TS 3520S	TS 3530S
Wavelength Range	190-850nm	190-850nm	190-850nm	190-850nm
Minimum Sample Volume	0.3-2.0µl	0.3-2.0µl	0.3-2.0µl	0.3-2.0µl
	0.02mm	0.02mm	0.02mm	0.02mm
	0.05mm	0.05mm	0.05mm	0.05mm
Light Path	0.1mm	0.1mm	0.1mm	0.1mm
	0.5mm	0.5mm	0.5mm	0.5mm
	1.0mm	1.0mm	1.0mm	1.0mm
Light Source	Flash lamp	Flash lamp	Flash lamp	Flash lamp
Detector Type	2048(COMS)-Linear CCD array	2048(COMS)-Linear CCD array	2048(COMS)-Linear CCD array	2048(COMS)-Linear CCD array
Wavelength Accuracy	±1nm	±1nm	±1nm	±1nm
Wavelength Resolution	≤2nm (FWHM at Hg546nm)	≤2nm (FWHM at Hg546nm)	≤2nm (FWHM at Hg546nm)	≤2nm (FWHM at Hg546nm)
Wavelength Repeatability	±0.5nm	±0.5nm	±0.5nm	±0.5nm
Absorbance Precision	0.002Abs	0.002Abs	0.002Abs	0.002Abs
Absorbance Accuracy	1% (0.76Abs at 350nm)	1% (0.76Abs at 350nm)	1% (0.76Abs at 350nm)	1% (0.76Abs at 350nm)
Absorbance Range	0.002 - 750A (equivalent to 10mm optical path)	0.002 - 750A (equivalent to 10mm optical path)	0.002 - 750A (equivalent to 10mm optical path)	0.002 - 750A (equivalent to 10mm optical path)
Nucleic Acid Measurement Range	2-37500ng/ul (dsDNA)	2-37500ng/ul (dsDNA)	2-37500ng/ul (dsDNA)	2-37500ng/ul (dsDNA)
Detects Protein Measurement Range	0.01-1120mg/ml (BSA)	0.01-1120mg/ml (BSA)	0.01-1120mg/ml (BSA)	0.01-1120mg/ml (BSA)
Measurement Time	<5S	<5S	<5S	<5S
Output Interface	2×USB	2×USB	2×USB	2×USB
Sample Pedestal Materia	Stainless steel and	Stainless steel and	Stainless steel and	Stainless steel and
Display	7 inch touch screen	7 inch touch screen	7 inch touch screen	7 inch touch screen
Operating Voltage	12V DC	12V DC	12V DC	12V DC
Dimension (W x D x H)	200 x 300×200mm	200 x 300×200mm	200 x 300×200mm	200 x 300×200mm
Weight	3.5kg	3.5kg	3.5kg	3.5kg
operating System	Win10	Win10	Win10	Win10
Cuvette model Measurement				
Optical Path of Cuvette	N/A	1mm,2mm,5mm,10mm	1mm,2mm,5mm,10mm	1mm,2mm,5mm,10mm
Temperature Range	N/A	N/A	RT-42°C	4°C-42°C
Minimum Sample Volume of Cuvette	N/A	50ul	50ul	50ul
Minimum height of sample in cuvette	N/A	5mm	5mm	5mm

## 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](mailto: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.



 **Analytical**®  
Technologies Limited

**HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)**

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalgroup.net](mailto:info@analyticalgroup.net)

W. [www.analyticalgroup.net](http://www.analyticalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)

Sales & Support Offices:  
across the country :  
Distributors & Channel  
partners World Wide