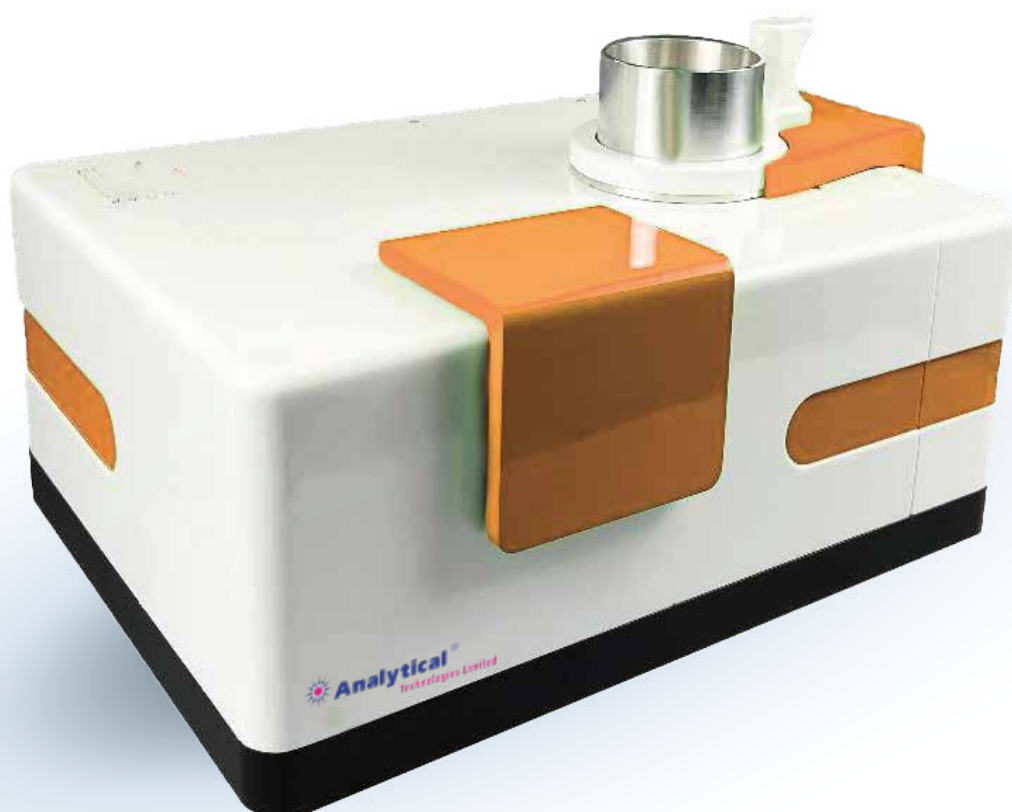


FTNIR TS - 3010

FT Near-Infrared Spectrometer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

FT NIR TS 3010 is a laboratory-grade FT NIR with dual channels. This spectrometer can be used for the application of both liquid transmission samples and solid reflection samples. The overall design of this product is compact, integrates two channels without replacing any accessories, making it very suitable for customer who has needs for measuring liquid and solid samples at the same time.

Features :

- Fourier transform technology, high-resolution, near-infrared full spectral coverage.
- Dual channel suitable for both liquid transmission and solid diffuse reflection measurement, without the need for plugging or replacing any accessories
- The liquid transmission module includes temperature control function
- Solid diffuse reflection channel with a built-in integrating sphere, and automatically switched goldplated background
- S-Cal modeling software with automatic optimization function
- S-Seq software with automatic spectrum acquisition and prediction functions

Application :

- Method Development for rapid detection of composition content for liquid and solid samples
- Hydroxyl value, iodine value, acid value, saponification value and moisture content detection in polyol polyether industry.
- Detection of NCO, viscosity, monomer and solid value in polyurethane industry.
- Detection of acetic acid, iodomethane and moisture in acetic acid industry.
- Detection of octane value in gasoline and dies, alkenes, aromatic hydrocarbons, distillation process, flash point, etc.
- Detection of water, protein, iodine value and unsaturated fatty acids in edible oil
- Feed industry: moisture, protein, fat, ash and amino acid in the raw material and finished product
- Dairy products: protein, fat, carbohydrates, energy and other components
- Textile: content of cotton, linen, spandex and nylon in textiles



Parameters :

- Principle: Fourier transform near-infrared
- Interferometer: highly stable and vibration insensitive interferometer system, permanently aligned
- Light source: high-performance near-infrared light source, service life > 3 years
- Laser: solid-state laser, service life 10 years
- Beam splitter: CaF₂
- Detector: High sensitivity InGaAs detector, thermoelectrically cooled
- Spectral range: 12500 - 4000cm⁻¹ (800 - 2500nm)
- Resolution: <2cm⁻¹
- Integrated dual channel: liquid transmission channel with temperature control, integrating sphere channel for solid diffuse reflection
- Temperature control range: room temperature ~80°C
- Size: length 480mm * width 350mm * height 220mm
- Wavenumber reproducibility: Better than 0.04cm⁻¹
- Wavenumber accuracy: Better than 0.1 cm⁻¹
- IR-source: High performance air cooled NIR source
- Laser : Diode laser
- Power: 100-240 VAC, 50-60 Hz, 100W

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



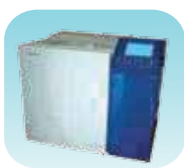
UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Partical
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.

Reach us @



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
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com
www.ais-india.com

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

Note : Company reserves rights to add/delete/modify the contents / technical specifications of the catalogue without prior notice.