

IR-3700

Infrared Red Analyzer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

IR-3700 series near infrared analyzer utilizes optical design which combines holographic digital light grating and high sensitivity indium gallium arsenic detector (TEC refrigeration constant temperature). Based on permeable reflection modes to do sample analysis, wavelength range covers 1000-2500nm. No destruction rapid detection of solid flake, pellet, powder, and samples in some composition of physical and chemical is achieved by external computer and RIMP software. As an easy operation system, just put samples plate on sample desk, start measurement by a click, and then the instrument finish measurement and analysis automatically. It is widely used in feed production, agricultural products processing, grain purchase, cultivation planting research etc.

►► High property RIMP software

RIMP is the professional software with the features of full English display, friendly man-machine interface and easy operation, which also combines instrument operation, modeling and data processing together.

The software has mainstream chemical metrology which Provide one key modeling function ANN model evaluation view includes PLS least squares regression analysis for quantitative analysis, ANN artificial neural network method, SIMCA method for qualitative analysis, cluster analysis etc. Function of measurement data storage, check, exchange, statistics and report output etc can be achieved based on the database.

►► Product Features

- Easy operation, no need of special training, and no need of sample pretreatment which may damage the sample.
- Rapid analysis, detect multiple index simultaneously within one minute, such as water, fat, protein, fiber, ash composition, amino acids etc index.
- Applicable to multiple sample types, such as flake, pellet or powder, and easy to place samples.
- Spectrum technology and indium gallium arsenic detector are scanned by advanced grating, ensure instrument stability and better noise ratio
- Rotation sample plate measurement modes, increase the representativeness of heterogeneous samples, improve accuracy of measurement results.
- Built-in standard substance has automatic fault diagnosis and prompt function.
- The light source utilizes self-collimation module design, no need of adjustment which make it easy to change the light source.
- Models can be delivered successfully among multiple instruments.
- Full English display, easy operation, combines instrument operation, modeling and data processing together.
- Support network connecting, convenient for instrument maintenance and model update.

►► Application Area

Feed

- Raw material purchase
- Processing
- Finished products sampling check



Fat Processing

- Raw material purchase
- Processing



Grain Exchange

- Grain purchase
- Grain storage



Cultivation seed research

- Seed selection
- New products evaluation



►► Detection index

Sample Source	Raw Stuffgrains	Detection index
Raw stuffgrains	Wheat	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Protein dissolution, Ingot powder
	Corn	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Ingot powder, Amino acid
	Soybean	Water, Crude protein, Unsaturated fat, Ingot powder
	Soybean meal	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Protein dissolution , Ingot powder
	Rapeseed meal	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Protein dissolution
	Cottonseed meal	Water, Crude protein, Unsaturated fat, Crude fiber, Ash
	Fish powder	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Acid, Amino acid
Finished feedstuff	Pig feed	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Calcium, Total phosphorus
	Aquatic feed	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Calcium, Total phosphorus
	Poultry feed	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Calcium, Total phosphorus
	Concentrated feed	Water, Crude protein, Unsaturated fat, Crude fiber, Ash, Calcium, Total phosphorus
Food	Milk powder	Water, Fat, Protein, Lactose, Ash
	Meat	Water, Fat, Protein

►► Instrument Parameter

Wavelength range	1000-1800nm / 1000-2500nm
Spectrophotometric noise	Less than 50uA
Wave length precision	0.2nm
Wave length repeatability	0.05nm
Spectral resolution	10nm
Stray light	< 0.1%
The light source life span	> 5000 hours
Number of simultaneous analysis index	30
Communication interface	USB2.0
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Temperature range	(5~35) °C
Humidity range	(5~85) %
The length source	< 198~242> ~/50Hz/0.5A
Dimensions(length×width×high)	< 198~242> ~/50Hz/0.5A
Weight	18kg

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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.

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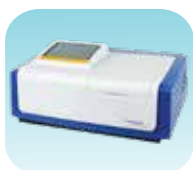
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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.

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Counter



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Spectrophotometer



DSC/TGA



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Chemistry Analyzer



HEMA 2062
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Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
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system

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Analytical Foundation

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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 @



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