

FTIR - 3030

FTIR Technology-Based Milk Analyzer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► **PRODUCT INTRODUCTION**

In India, milk production is as local as local gets. Small farmers from across the region bring their production to local collection sites, sometimes twice a day, where the milk is weighed and analyzed, often in hot, dusty, humid environments. Under these conditions, farmers and collectors alike need fast, rugged, dependable, and accurate testing equipment they can count on, day after day.

FTIR 3030 milk analysis system, designed to make milk collection and analysis efficient and reliable - regardless of who's running the analysis, and where.

►► **A SYSTEM BUILT ON TRUST**

With the IndiScope system, milk collectors can guarantee fair payment for milk products and help ensure the milk supply is safe, wholesome, and unadulterated. What's more, its simple, easy-to-follow work'ows make milk analysis straight forward - no need for specialized expertise onsite.

Best of all, its ruggedized form factor makes it perfect for less-than-ideal collection conditions, with maximum uptime and superfast results - in less than 30 seconds. And this proven FT-IR technology meets ISO, IDF, and AOAC guidance for repeatability.

►► **WHAT ARE YOU LOOKING FOR IN YOUR MILK ANALYZER?**

Unlike competitor systems, the IndiScope milk analyzer comes complete, right out of the box, with preset methods that make it easy to test for fat, protein, and solids-not-fat and targeted and untargeted adulterants such as:

- Water
- Urea
- Sucrose
- Maltodextrin
- Ammonium sulfate
- Vegetable Oils

All this analytical performance and reliability comes standard in the IndiScope system's baseline configuration.

►► THE MILK ANALYSIS SOLUTION

THE RIGHT BALANCE OF SENSITIVITY AND PERFORMANCE

Based on our powerful, proven Spectrum Two FT-IR Technology with its advanced spectrometer design, the IndiScope milk analyzer delivers all the 'exibility, and ease of use you need to meet the rigorous demands of India's milk-collection industry.

The IndiScope system provides the highest levels of sensitivity and reproducibility. The system's patented technology ensures superior spectra for fat, protein, and solids-not-fat and screening of targeted and untargeted adulterants in milk. And with an exceptional signal-to-noise ratio, advanced electronics, and optimized sensitivity, the IndiScope system delivers consistent performance, day after day.

Best of all, you can go from tank to results in about 30 seconds, with just a 30-minute cold startup time, for exceptional productivity.

RUGGED, RELIABLE, AND READY TO GO

Our IndiScope system is built of diecast aluminum and tightly sealed to prevent moisture and dust from entering, making it the most robust analyzer available. And it automatically compensates for temperature and atmospheric variations, so it's especially effective in extreme climatic conditions. With the IndiScope system, reliability and ease of use go hand in hand: straightforward touchscreen operation (no buttons to push or break) and a simple, intuitive graphical interface allow it to easily 'fit into your milk-collection workflow - and even the most inexperienced technician can use it. Maintenance is a snap, too, with the system's inner workings front-accessible and easy to clean.

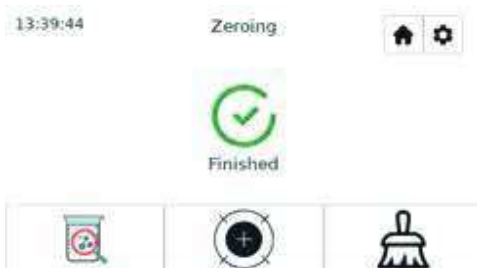
►► THE MILK ANALYZER BUILT FOR YOUR ENVIRONMENT



►► SOFTWARE COMPLETES THE SOLUTION



The system alerts you to the presence of contaminants in near real time - go from tank to results in 30 seconds.



The touchscreen interface and intuitive software make the instrument easy to use, while automatic self-checks prevent errors and out-of-spec operation.



The software alerts you of mistakes and performs automated repeatability checks to show the instrument performance and ensure accurate results.

SPECIFICATIONS	
Technology	FT-IR
Sample Types	Raw cow milk, Raw buffalo milk, Raw mixed milk
Sample Testing Time	< 30 seconds
Minimum Range Capacity	Fat: 0 - 13 % SNF: 0 - 15 % Protein: 0 - 8 %
Accuracy	Fat: 0.1% Rose Gottlieb SNF: 0.14% Oven drying method Protein: 0.08% Ref Kjeldahl
Repeatability Std Dev	Fat: 0.04 SNF: 0.08 Protein: 0.04
Targeted Adulterants Limits of Detection (LOD)	Added Water Urea Sucrose Maltodextrin in Ammonium Sulphate Vegetable Oils
Untargeted Adulterant Detection	“abnormal milkscreening” display in presence of Glucose, Sorbitol, Melamine, Sodium Chloride, Sodium Citrate, Starch, Hydrogen Peroxide, Formalin, Detergents, Sodium Carbonate, Sodium Bicarbonate, NaOH and any other Chemicals with IR absorbance.
Sample Temperature Range	5-40°C
Sample Volume	<5 ml
Data Interface	1. USB Port 2. Micro USB port
Display	LCD graphical display/color TFT display (touchscreen)
Model Transferability	Yes
Clean & Zero	Manual
Warm-up time	Approx. 30 minutes
Calibration Adjustments	Slope / Intercept
Carry Over Data Storage Capacity	<1% 16 GB internal memory
Weight (approx) Dust / Water Classification	16 KG IP41 for main cabinet, hermetically sealed FT-IR optics
Approvals	Complies with ISO 9622 / IDF 141, AOAC official method 972.16
International Safety Standards	EMC Directive, Low Voltage Directive
Built in diagnostic	Yes

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



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Spectro 2080+
Double Beam



Infra FTIR



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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



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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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