

ULTRASONIC MILK ANALYSER



Description

The Ultrasonic Electronic Milk Analyser performs measurement of Fat & Solid-not-Fats (SNF) content in milk.

The percentage of Fat & SNF content is measured accurately and displayed quickly on a Ultrasonic Milk Analyser LCD for the convenient read-out by the user and the milk producer. The instrument is simple, economical, reliable and rugged for milk analysis.

This instrument can also be integrated with Automatic Milk Collection Unit for quick measurement of milk parameters, processing and storing them for records. The instrument is ideally suited for the village milk collection centers, milk chilling centers etc. and milk testing laboratories.

Working Principle

The Ultrasonic Electronic Milk Analyser works on the principle of Ultrasonics. The signals allowed to pass through the sample are measured digitally for accurate display.

Features

- Microprocessor based state-of-art technology
- Displays % FAT, Solid-not-Fats (SNF) & Added Water
- Display of Protein, Lactose, Density & Freezing Point is optional
- Provision of auto cleaning & field calibration.
- Suitable for Raw, Fresh and homogenised milk
- Small sample volume of 10 ml (approx).
- Performs 55-60 tests per hour
- Quick measurement and instant digital read-out on LCD
- RS 232 data output
- Low power consumption
- Reliable & rugged design, suitable for rural environment
- Operator friendly-easy to maintain & simple to use
- Simple & inexpensive method of milk analysis
- Close correlation to accepted standard methods

Technical Specifications

Performance Data

Processing	:	Micro-processor controlled
Display	:	16 Characters x 2 Lines LCD display for FAT, SNF & Added Water Display of Protein, Lactose, Density & Freezing Point Optional
Measuring Range	:	FAT 0 to 12% & SNF 0 to 12%
Accuracy	:	FAT 0.15 SNF 0.15
Repeatability (SD)	:	FAT & SNF 0.05
Sample Volume	:	10ml/ test (reusable)
Sample Temperature	:	25 to 35 C
Measurement Time	:	55 Seconds per Sample (Typical)
Port	:	Serial port for data transmission to PC
Power Consumption	:	100 Watts max.

Installation Requirements

Power Supply	:	AC Supply 230V (+ 10%, -15%), 50Hz, 1-, (1 Amp Max.),
Ambient Temp.	:	5 - 45 C
Space	:	500mm x 500mm x 500mm max.

Ultrasonic Milk Analyser has been designed & manufactured for the first time in India by Rajasthan Electronics & Instruments Limited.

Regional Offices

Gujarat	Karnataka	Madhya Pradesh	Punjab	West Bengal	Uttar Pradesh	Rajasthan
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After Sales Service Centre

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The above specifications are subject to change without prior notice in order to provide you the best available and acquired for continual improvement.