

ELECTRONIC MILK ANALYZER-SL-20(EMA-SL-20)



Description

The **Electronic Milk Analyzer** is an ideal and low cost solution for accurate analysis of milk parameters i.e. FAT, SNF, Protein, Lactose, Density and Added Water.

The instrument works on the principle of ultrasonic measurement. The detection procedure follows the steps of intake of milk sample and analysis.

Detected signal is processed through embedded software and results are displayed quickly and accurately on a digital display for the convenient read-out by the user.

The instrument is accurate, simple, economical, reliable and rugged for analysis of compositional parameters in the Milk.

The instrument is suitable for the Village Milk Collection Centers, Milk Chilling Centers, Dairy Plants and Milk Testing Laboratories.

Features

- Measures Fat, SNF, Protein, Lactose, density & added water
- Performs 160-170 tests per hour
- Low sample volume
- User friendly operations
- Easy cleaning
- Close correlation to accepted standard methods
- Easy to read digital display
- Quick measurement and instant read-out
- RS 232 data output
- Runs on mains or battery

Specifications

Performance Data

Milk type	:	Cow, buffalo and mixed milk.
Measuring Speed	:	160 - 170 samples per hour
Measuring Time	:	~ 20 Sec Measurement per sample
Parameters	:	Fat, SNF, Protein, Lactose, density & added water
Measuring Range	:	Fat 0.01% to 25% SNF 3% to 15% Protein 2% to 7% Lactose 0.01% to 6% Density 1015 to 1040 Kg/m ³ Added water 0% to 70% Freezing point -0.4°C to -0.7°C Salts 0.4% to 1.5%
Accuracy	:	Fat ± 0.1% SNF ± 0.15% Protein ± 0.15% Lactose ± 0.20% Density ± 0.3 Kg/m ³ Added water ± 3.0% Milk Sample temp. ± 1°C Freezing point ± 0.005°C Salts ± 0.05%
Sample temperature	:	Milk temperature: 5°C to 40°C
Sample volume	:	5 ml.
Cleaning	:	Easy cleaning
Display	:	LCD display
Data interface	:	RS232

Installation Requirements

Power supply	:	AC : 100 -240V, DC : 12V, Output Power : 50-65W
Power consumption	:	< 40W
Ambient air temp.	:	10 °C to 40 °C (option 43 °C)
Relative humidity	:	30% to 80%
Dimensions	:	W x D x H : 100mm x 223mm x 216mm
Weight	:	< 3.5 kg

Regional Offices

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