

AUTOMATIC ELECTRONIC MILK TESTER



Application

The Automatic Electronic Milk Tester performs measurement of fat content in milk.

The percentage of fat content is measured accurately and displayed quickly on a digital display for a convenient read-out by the user and the milk producer.

The instrument is simple and economical for milk fat analysis. It uses a high torque AC synchronous motor to make it reliable, rugged and to perform proper homogenization of high fat milk sample.

This instrument assists in reducing the physical effort (required in manually operated EMT) and is very useful for women operators in the women milk co-operative societies.

Features

- Auto intake of milk sample
- Auto homogenization
- Auto zero facility
- Measures up to 13% fat
- Accepts small sample volume
- Performs 150-180 tests per hour
- Quick measurement and instant readout
- Easy to read digital display
- Process indication
- RS 232 data output
- Runs on AC mains
- Inexpensive method of testing
- Close correlation to accepted standard methods

Working Principle

Automatic Electronic Milk Tester works on the principle of photometric measurement of light scattered by the fat globules present in the milk sample. The measuring procedure follows the automated system of dilution, mixing, homogenization and photometric measurement.

Specifications

Performance Data

- Measuring range : 0-13% fat
- Measuring speed : 150-180 samples/hour
- Accuracy (SD) : 0.10 for 0-8% fat
0.20 for 8-13% fat
- Repeatability (SD) : 0.04 for 0-8% fat
0.08 for 8-13% fat
- Sample volume : 0.5 ml/test
- Diluents volume : 6.5 ml/test
- Communication : RS 232

Installation Requirements

- Power supply : AC: 230-240V, 1 ϕ , 50 Hz
(Max + 10%, Min - 15%)
- Power consumption : 400 W
- Calibration : One calibration channel, adjustable independently
within the range 0-13%
- Ambient temperature : 5-45°C
- Dimensions (HxWxD) : 500mm x 297mm x 220 mm
- Space requirement : 1000mm x 500mm x 500 mm

Certification

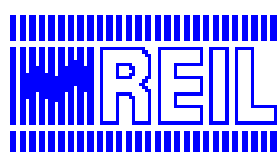
Product is tested by ETDC, Bangalore for guaranteed technical specifications.

Regional Offices

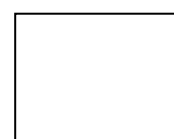
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The above specifications are subject to change without prior notice in order to provide you the best available and acquired for continual improvement.