

# DAIRY EQUIPMENTS FROM

  
**Poornasree**™  
EQUIPMENTS

Solar powered  
models  
available

**ALWAYS AHEAD IN  
PRECISION AND SPEED**



**LactoSure™ Eco**  
Ultrasonic Milk Analyzer



**LactoSure™ ECO-D**  
Ultrasonic Milk Analyzer with Stirrer & DPS



**LactoSure™ Eco-C**  
Milk Analyser with Mastitis Detection



**LactoSure™ Eco-S**  
Solar Powered Ultrasonic Milk Analyzer



**LactoSure™ DPS-T**  
Data Processing System - Table Top



**Vibro**  
Ultrasonic Stirrer



**LactoSure™ EXD**  
External Display Unit

### Specific Features of **LactoSure<sup>™</sup>Eco** Ultrasonic Milk Analyzer



- ✓ Measurement time of 27 seconds believed to be fastest.
- ✓ Compatible to connect the computer software of any branded milk analyzers.
- ✓ Complete mechanical parts including cabinet made out of plastic chromium plated brass and Stainless steel (even screws) is free from corrosion.
- ✓ High contrast blue/green backlight four line 20 large character LCD display.

### Specific Features of **LactoSure<sup>™</sup>Eco-S** Solar Powered Ultrasonic Milk Analyzer



- ✓ First in this class powered by solar energy with in-built battery.
- ✓ Measuring time of 27 seconds, the fastest in this class.
- ✓ Provision for connecting Stirrer also.
- ✓ High efficient in-built Solar Charger controller.
- ✓ Protection for short circuit, surge and minor lightning.
- ✓ Separate Battery chamber.
- ✓ Easy to connect Solar Panel.
- ✓ Compatible to connect the computer software of any branded milk analyzers.
- ✓ All mechanical parts including cabinet made out of plastic and stainless steel.
- ✓ High contrast blue backlight four line 20 large character LCD display.
- ✓ 2 hrs battery backup for working without solar power/ electricity

### Specific Features of **LactoSure<sup>™</sup>Eco-D** Ultrasonic Milk Analyzer with Stirrer & DPS



- ✓ Fully indigenous and world's fastest Milk Analyser having measurement time of 27 seconds with in-built Stirrer and Data Processing System(DPS).

- ✓ Low maintenance cost and spares cost, timely service and ready availability of spares.
- ✓ RS232/ USB port for computer interfacing.
- ✓ Fully Indigenous manufacturing enabling easy availability of spare parts and proper service & maintenance. All the materials including sensor microprocessor integrated board, pump etc. are made in-house.
- ✓ Splash proof cabinet design (Water or milk if spilled over the body, will not penetrated inside the cabinet.
- ✓ This keeps the electronics and its sensitive components safe and intact.
- ✓ Manual cleaning option using Plunger.
- ✓ Facility to create rate chart using 5 methods.
- ✓ Models with RF ID, SMS and Solar Powered are also available.



### Specific Features of **LactoSure<sup>™</sup>DPS-T** Data Processing System - Table Top



- ✓ Table top model
- ✓ In built key board and thermal printer for easy operation & data capture and provision for external key board.
- ✓ More than 5 year data storage capacity.
- ✓ Auto TARE (ZERO) & Manual facility after report printing and data storage automatically.
- ✓ Rate chart format based on TS(Total Solids) & Fat- SNF in Excel Format.
- ✓ Facility for duplicate print out and SMS alert option.
- ✓ High contrast blue backlight 128 x64 graphical display
- ✓ Can be interface to various types of weighing scales and milk analyzers.
- ✓ Facility for two decimal points adjustment.
- ✓ RF Id based identification option.
- ✓ Data import and export facility.
- ✓ Password protected.
- ✓ One year warrantee.
- ✓ Following reports can be generated.  
(a) Collection report. (b) Customer report. (c) Sales report.

### Specific Features of **LactoSure<sup>™</sup>Eco-C** Milk Analyser with Mastitis Detection



- ✓ Fully indigenous Analyzer with facility for early detection of Mastitis by checking conductivity of milk.
- ✓ Fast measuring time of 27 seconds.
- ✓ Compatible to connect the computer software of any branded milk analyzers.
- ✓ High contract blue/green backlight four line 20 character LCD display.

### Specific Features of **Vibro** Ultrasonic Stirrer



- ✓ Indigenous make
- ✓ Rugged design and long life
- ✓ Low cost and easy available spares.
- ✓ Corrosion resistant power coated body.
- ✓ Low weight to carry.
- ✓ Variable frequency and vibration time.
- ✓ 12V External power supply adapter

### Specific Features of **LactoSure<sup>™</sup>EXD** External Display Unit



- ✓ Large segment display for wider visibility
- ✓ Ideal for milk collection centres and societies
- ✓ Direct connectivity to computer, DPS and Analyzer.

Result of test may vary if the milk under test is "Aired, with acidity, with fat < 0.5%, contaminated, preservative added and adulterated milk.

Manufactured & Marketed by



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#### SPECIFICATION

Measuring Parameters	Lactosure Eco		Lactosure Eco-D		Milkosure-40	
	Measuring Range	Accuracy	Measuring Range	Accuracy	Measuring Range	Accuracy
Fat**	0.5% to 12%	+/-0.1%	0.5% to 12%	+/-0.1%	0.5% to 12%	+/-0.15%
	12% to 15%	+/-0.2%	12% to 15%	+/-0.2%	12% to 15%	+/-0.2%
SNF	6% to 15%	0.15%	6% to 15%	0.15%	6% to 15%	0.2%
CLR	CLR: 15 to 40	+/-1	CLR: 15 to 40	+/-1	CLR: 15 to 40	+/-1
Added Water	0% to 99%	+/-5%	0% to 99%	+/-5%	0% to 99%	+/-5%
Temperature	1°C to 40°C	+/- 1°C	1°C to 40°C	+/- 1°C	1°C to 40°C	+/- 1°C

Facility for getting Protein, Lactose and Salt as calculated parameters.  
Ambient Conditions: Temperature 1°C to 40°C, Humidity: 30% to 95%  
Note: Specifications subject to change without prior notice by the Manufacturer.

No. of Calibrations: 3  
\*\*25% optional