

# IMA-815

Milk Collection System

**Essae**<sup>®</sup>  
...for Excellence

Milk Analysis Redefined: Swift, Accurate, and Integrated Data-Driven Insights



MILK ANALYSER

STIRRER

DPU

PRINTER

WIFI

BATTERY

# PLEASANT GREEN DISPLAY



## Technical Specification

<b>Model</b>	<b>IMA-815</b>
<b>Technology</b>	Ultrasonic Sensor
<b>Measuring Time</b>	38 sec @ 30° C Milk Temperature
<b>Milk Acidity</b>	<25° T ( Degree Thorn)
<b>Milk Measuring Temperature</b>	10° C ~ 40° C
<b>Milk Sample Volume</b>	25 ml
<b>Display</b>	Graphic LCD Module
<b>Keyboard</b>	5 Soft Keys & 16 Alphanumeric keys
<b>Interface</b>	3 x RS-232 Serial 3 x USB for (Keyboard, Pen drive, PC – Two ports will support at a time)
<b>Cleaning</b>	Manual & Auto
<b>Weight</b>	6.8 kg
<b>Housing MOC</b>	SS-304
<b>Dimensions ( W x D X H)</b>	289 x 268 X 299
<b>Power</b>	
<b>External AC/DC Power</b>	12.5V DC / 5A, 60W
<b>Power Consumption</b>	40 W Maximum
<b>Battery Backup</b>	150 Cycles Operation
<b>Stirrer</b>	
<b>Technology</b>	Destructive Type Ultrasonic
<b>Display</b>	2 Digits 7 Segment Green LED
<b>Key</b>	3 Keys
<b>Frequency</b>	12 ~ 22 kHz
<b>Timer</b>	5 ~ 45 sec
<b>Stirrer Vibrator</b>	Ball Type (SS-304)

Parameter	Range	Resolution	Accuracy
Fat	0.5 ~ 15 %	0.1 %	+/- 0.1 %
SNF	3 ~ 15 %	0.1 %	+/- 0.2 %
Added Water	0 ~ 99 %	1 %	+/- 3 %
CLR	20 ~ 40	0.5	+/- 1
Lactose	1 ~ 8 %	0.1 %	+/- 0.2 %
Protein	1 ~ 6 %	0.1 %	+/- 0.2 %
Salt	0.2 ~ 1.5 %	0.1 %	+/- 0.2 %

## DPU Functional Requirement

- 300 members ID
- 100000 records
- 10 member price groups
- Two Fat SNF Rate chart generation methods
- Two Fat CLR Rate chart generation methods
- Morning and Evening Rate charts
- Rate chart and Member update via Pen drive, Wi-Fi and RS232
- Shift Data via Pen drive, Wi-Fi and Rs232
- USB key board
- Three level Operation - Administrator, Supervisor and User
- Custom Report formats
- Selectable external Weighing scale connectivity
- Dairy remote display connectivity

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