

IMA-815

Milk Collection System

Essae[®]
...for Excellence

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



PLEASANT GREEN DISPLAY



Technical Specification

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