

DATA PROCESSOR MILK COLLECTION UNIT



Application

The Data Processor Milk Collection Unit (DP-MCU) is an integrated unit, comprising of the following

- Data Processor Electronic Milk Tester (DP-EMT)
- Electronic Weighing Scale
- Digital Indicator
- Dot Matrix Printer

The member number and CLR reading can be entered through keypad.

It measures the weight, fat content and gives the printout of the transaction of the milk brought in by each producer.

The member number, weight, fat and amount are displayed on DP-EMT and remote display simultaneously.

A shift end summary can be printed at the end of the shift. The system also facilitates storing ten days/monthly data and printing of cumulative summary as and when needed.

Features

- Milk testing, weighing, data processing and automation
- Complete rate chart entry
- Auto zero facility
- Instant measurement and display of milk fat
- Instant calculation of amount payable
- Facilitates independent working of electronic milk tester and electronic weighing scale
- Operation with 4x4 matrix hexadecimal keypad
- Instant transmission of data (Member Code, Fat, Weight & Amount) on remote display
- 7 Segment Green LED display of 25mm height Data storage up to 700 members for 30 days
- Centerlised testing and payment

Reports

- Slip print out for member transactions
- Shift End Summary
- Payment Register
- Cumulative summary

Working Principle

Data Processor Electronic Milk Tester is the heart of the unit, works on the principle of photometric measurement of light scattered by the fat globules present in the milk sample. The measuring procedure follows the conventional system of dilution, mixing, homogenisation and photometric measurement.

Specifications

Data Processor Electronic Milk Tester	Electronic Weighing Scale
Measuring range : 0-13% fat	Designed and Marketed by REIL confirming to "Standards of Weight and Measure (General) Rules 1987" as amended upto date
Capacity : 110-130 samples/hour	Capacity : 200 Kg.
Accuracy (SD) : 0.06 for 0-5% fat	Resolution : 20 Gms
0.10 for 5-8% fat	Load cell : Stainless steel, bending beam, resistive strain gauge type, load impact 300% minimum
0.20 for 8-13% fat	Power supply : 230 V AC \pm 10%, 1 ϕ , 50 Hz
Repeatability (SD) : 0.03 for 0-5% fat	Platform size : AISI SS 304, 1.5mm thick & size 600mmx600 mm polished to 150 grit (suitable for placement of 2 nos. of Can)
0.04 for 5-8% fat	Display : 7 Segment GREEN LED digital display of 14.22mm height, Tare, Net or Gross weight indication, RS 232 port
0.08 for 8-13% fat	Battery backup : In-built battery backup during power failure
Sample volume : 0.5 ml/test	
Diluent volume : 6.5 ml/test	
Communication : RS 232	

Dot Matrix Printer

24 Pin 80 Column Dot Matrix Printer

Digital Indicator

Display type : 7 Segment GREEN LED of 25mm height
Display indication: Member Code, %Fat, Weight & Amount

Uninterrupted Power Supply (Optional)

Conditioned supply : Quasi sine wave with minimum harmonics	Full protection : Under/over voltage, Low battery voltage, Over load, Short circuit, No load protection against spikes
Capacity : 1.5 KVA (minimum)	Performance : 85% & above
Type : Line Interactive Type	Battery : 12V, 75AH Industrial Tubular (with battery level indicator)
Voltage at input : 160 Volts to 280 Volts	Backup time : 3 hrs minimum in fully charged condition (in one shift of 8 hrs.)
Voltage at output : 230 \pm 10% Volts (AC)	
Frequency stability : \pm 0.5%	
Noise level : <35 db	
Operating : Temp. 5°C to 50°C, 90% RH, Dusty environment environment	

Certification

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

Ordering Information

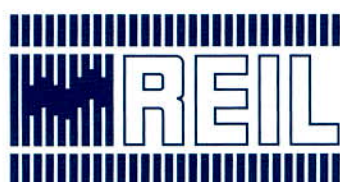
Milk Type	Rate Chart Type (Please \checkmark)	
Buffalo	Fat Vs Amount <input type="checkbox"/>	Fat Vs CLR Vs Amount <input type="checkbox"/>
Cow	Fat Vs Amount <input type="checkbox"/>	Fat Vs CLR Vs Amount <input type="checkbox"/>

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.