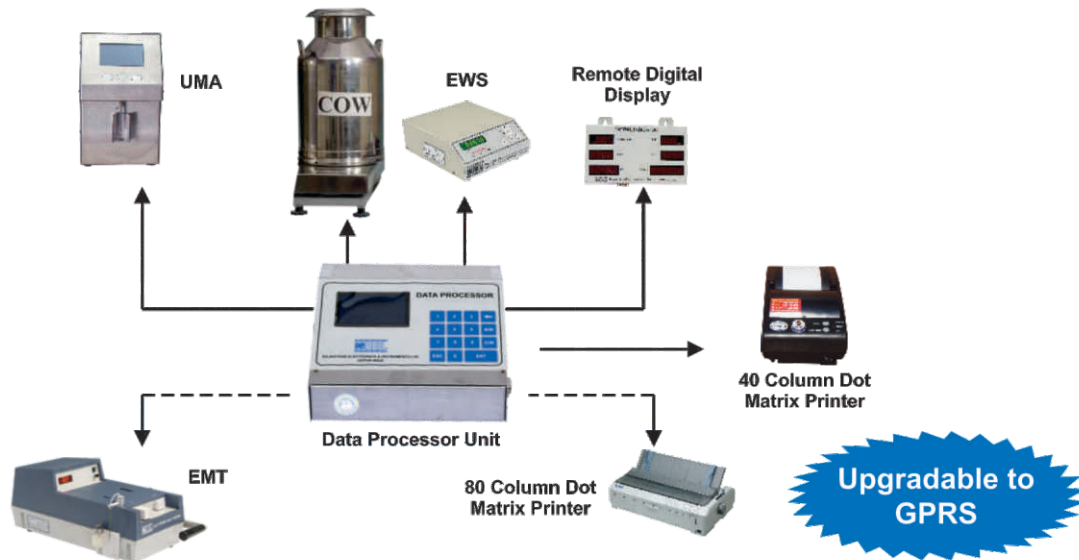


# DATA PROCESSOR MILK COLLECTION UNIT



## Description

Data Processor Milk Collection Unit (DPMCU) is a dedicated unit, which receive, processes and transmits data. It communicates with the following:

- Electronic Milk Analyzer (EMA) or Electronic Milk Tester (EMT)
- Data Logger (Sr. Pen Drive)
- Remote Digital Display
- 40 Column Dot matrix Printer or 80 Column Dot matrix Printer interface
- Electronic weigh scale

DPMCU receives the Milk Fat & SNF data from the Electronic Milk Tester/ Milk analyzer through Serial Communication port. Milk weightment data receives from EWS.

DPMCU support the conventional online Village Level Milk collection System (VLCC) by milk producers and also the Milk Contractor's milk collection with appropriation and data processing. It has Dot Matrix for slip printing & various types of report printing facility.

DPMCU has Data Logger interface for data communications between pooling points to BMC/MCC Center/Head Office. Current & future rate Charts, personalization data, MP wise milk collection, milk dispatch, milk receipt at BMC/MCC, and most important security data are communicated through Smart Card/Data Logger in secure mode.

Data communicated to BMC/Head office can be further processed for validations, audit, payment and MIS purpose etc.

## Features

- Capture Fat/SNF from EMT/Milk analyzer.
- Capture Milk Weightment data from EWS.
- Option for entry of CLR in case of EMT interface.
- Instant processing of data for payment.
- Secured rate chart, member & personalization data downloading through Sr. Pen drive.
- Operation with customized 4x4 matrix hexadecimal keypad & PS2 keyboard.
- Data storage for 1000 members for Buf. and Cow each separately for 2 years.
- Instant transmission of data through Sr. Pen drive to BMC/MCC center.
- Centralized testing.
- Slip print out for member milk transactions.
- Shift end summary.
- Dispatch and Acknowledgement Slips.
- Data Security feature.
- User friendly operation.
- Rugged to work in rural conditions.
- Auto Shift initialization & system health check.

### Data Processor

Processor	: AVR Microcontroller
Cabinet	: Stainless Steel
Keyboard/Keybad	: PS2 Keyboard & 4x4 Matrix
Display	: 128x64 Graphics LCD
Power Consumption	: 24 Watt Max

### Dot Matrix Printer (DMP)

Width	: 40 Column DMP
Speed	: 4.5 Lines Per Seconds
Power consumption	: 40 Watt Max.
Optional	: 9 Pin 80 Columns DMP
Width	: 9 Pin 80 Column DMP
Speed	: 360 CPS
Power consumption	: 80 Watt Max.

### Data Logger (Sr. Pen Drive)

Memory	: 128 K Byte , Suitable for Data Communications for 400 MP and other parameter.
Interface	: RS232 Serial

### Remote Display Unit

Type	: Wall Mounted
Paramter	: Member No., Weight, FAT SNF, RATE, Amount, Milk Type (Optional)
Interface	: RS232
Display Type	: Bright 7 Segment RED LED
Cables	: 5 Mtr Data & Power Cable
Cabinet	: MS Powder Coated/ Molded Plastic, IP55
Power Consumption:	12 W max

### Electronic Weigh Scale

Capacity	: 60 Kgs./200 Kgs.
Least Count	: 10 Grams/20 Grams
Accuracy	: As per CLASS-III
Resolution	: As per CLASS-III
Display Mode	: Kg. to Ltr. Mode
Load Cell	: Single, IP67, SS Grade,
Over Load & Shock Protection	: 150% of full load with audio visual indication.
Platform Size	: 400 X 400 mm/600x600 mm
Platform Cover	: SS 304, 1.5 MM top plate.
Platform Frame	: SS 202/Zink anodised/Hot Dipped, galvanizing box pipe screw
Platform Screw	: 4 Shock absorbing rubber Screw with SS Bolt
Display Mode	: 6 Digit, 7 Segment Red/Green LED
Communication	: RS232 Serial
Calibration	: Auto Calibration
Load Cell Cable	: Shielded cable mounted in heavy duty reinforced conduit
Cabinet	: MS Powder Coated/Molded Plastic /SS IP55. Tactile Keyboard
Power Consumption	: 20 Watt Max.

### Uninterrupted Power Supply (UPS)

Capacity	: 1.0 KVA (Minimum)
Type	: Line Interactive Type
Voltage at input	: 160 Volts to 280 Volts
Voltage output	: 230 ± 10% Volts (AC)
Frequency stability	: ± 0.5%
Noise level	: <35 db
Full protection	: Under/over voltage, Low battery voltage, Over Load, Short circuit
Operating	: Temp. 5° C to 50° C, 90% RH, Dusty environment
Battery	: 12V, 75AH Industrial Tubular

### 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.