

DATA PROCESSOR ELECTRONIC MILK TESTER (DPEMT)



DESCRIPTION

Data Processor Electronic Milk Tester (DPEMT) comprises of two main units, an Electronic Milk Tester and a Personal Computer. It measures the fat content of the milk. The membership code of individual members are entered manually by a keyboard. The weight can be entered either manually or captured automatically. If a Milk Weighing System is connected to the unit it gives the printout of the price of the milk brought in by each producer.

WORKING PRINCIPLE

Data Processor Electronic Milk Tester 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.

FEATURES

- Auto zero facility
- Instant measurement & display of milk fat
- Instant calculation of amount payable
- Fast & economical
- Runs on mains & battery
- Operation with hexadecimal keyboard
- Facility to feed milk weight directly through key pad in absence of weighing unit machine
- Centralised testing & payment.
- Performs 120-150 samples per hour
- Built-in battery charger
- Close correlation to accepted standard methods
- Slip printout by 19 column numeric printer
- Suitable for interface with PC through RS232 port
- Suitable for interface with electronic weighing through parallel port

TECHNICAL SPECIFICATIONS

PERFORMANCE DATA

Measuring range	: 0-13% fat
Capacity	: 120-150 samples/hour
Accuracy (Sd)	: 0.06% for 0-5% fat 0.10% for 5-8% fat 0.20% for 8-13% fat
Repeatability (Sd)	: 0.03% for 0-5% fat 0.04% for 5-8% fat 0.08% for 8-13% fat
Sample volume	: 0.5 ml/test
Diluent volume	: 6.5 ml/test

INSTALLATION REQUIREMENTS

Power Supply	: AC: 220 / 240V (Max + 10%, Min - 15%) DC: 12V, 6A (Max 16 V; Min 10.5V) A fully-charged 120 AH battery will last for at least 10 hours of operation.
Ambient temperature	: 5-45°C
Dimensions (HxWxD)	: 23x31x53 cm
Space requirement	: 60x80 cm
Weight (without diluent)	: 16 kg.

For further information contact:



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