prompt®

iSMART

milk analyzer

FAT%	SNF%	ADDED WATER%
3.03	8.89	5
31.57		
DENSITY		

Clean ▼ ▲ OK

prompt®
The pursuit of purity

iSmart
Milk Analyzer

prompt®

iSMART
milk analyzer

CE Certified

How do we keep it pure?

Prompt provides innovative solutions for an efficient dairy procurement supply chain. From farm management and milk collection to quality analysis and preservation, we offer different equipment and software to ensure that the purity of milk is retained at every step. Our unique offering, Indiz Ultrasonic Milk Analyzer, measures and records milk Fat, SNF, added water, milk density and has inbuilt features like power-on-self-test, App assisted online central calibration and ensures accuracy of readings. The system ensures transparency and optimum earnings to farmers & dairies.

Our product in this pursuit – iSmart Ultrasonic Milk Analyzer

A PATENTED PRODUCT

INDIA'S FIRST SMART AND INTELLIGENT INDIGENOUS MILK TESTING EQUIPMENT

Our Milk Analyzer provides accurate milk parameters reading and links it with the payout to farmer in real-time. In addition, all the data are stored online on cloud and can be accessed through Bluetooth enabled mobile application. This increases transparency and profitability arising out of improvements in the quality of milk collected.

- Measures milk Fat, SNF, added water, and milk density
- Secured cloud calibration
- Preventive maintenance through Bluetooth-enabled mobile application
- Analyzer available in Stainless Steel/ABS Body
- Measuring time 30/40 seconds depending upon the model
- Being a 100% indigenous product, we offer service support across India

ULTRASONIC STIRRER

- ➤ Stirring removes air from fresh milk samples by vibrations created in the milk before testing
- ➤ Available in Powder Coated/Staibless Steel housing
- ➤ Vibrator- SS/Aluminium ball type
- ➤ SS/Aluminium ball type

Stirrer with daily cleaning solution

TECHNICAL SPECIFICATIONS:

Measuring Parameters	➤ FAT: 0.0 to 15% with accuracy +/- 0.1% ➤ SNF: 3 to 15% with accuracy +/- 0.15% ➤ Added water to milk from 0% to 60% with accuracy +/-5% ➤ Density: 1.0220 g/cm-1.0360g/m^3 with accuracy +/- 0.0005 g/cm^3 ➤ Measuring time: 30/40 seconds/ sample ➤ Resolution: ± 0.01% for FAT, ± 0.01% for SNF, ± 1% for added water +/- 0.0001 g/cm^3 for density ➤ Repeatability: +/- 0.03% for Fat, +/- 0.05% for SNF, +/- 0.5% for added water ± 0.0002 g/cm^3 for density
Measuring Time	40 seconds
Display	2 Line, 16 Character, Big LCD Display, 10mm Character Height
Operating Facilities	Cleaning, Single Curve Calibration, Error List, Suitable for Cow/Buffalo/Mixed Milk
Mobile App	Bluetooth enabled Mobile application
Operating Voltage	➤ 230 V + 15-20%, AC, 50 Hz ➤ 13V DC +/- 10%
Storage	Data Storage on SD card and cloud
Interface	RS 232
Environmental Conditions	➤ Ambient Air Temperature- 10°C to 50°C ➤ Relative Humidity- 30% to 80% ➤ Milk Temperature- 5°C to 40°C
Power Consumption	Average 30 watt, peak 90 watt
Loose Accessories	➤ RS 232 serial cable- 1 no. ➤ AC power cable with plug top- 1 no. ➤ Battery power cable- 1 no. ➤ 200 ml bottle of daily cleaning solution- 1 no. ➤ Measuring mug- 2 nos. ➤ Operating manual (English)- 1 no. ➤ Plunger- 1 no.

FEATURES

➤ Robust and easy to operate
➤ Fast and accurate result
➤ Low operating and maintenance cost
➤ Durable in all weather conditions
➤ Better repeatability and accuracy

➤ One touch analysis
➤ Equipment operates only when critical self-tests are passes leading to reduced downtime cost
➤ Detailed Equipment Parameter Analytics available through online data to provide predictive maintenance

WHAT ARE ITS BENEFITS?

Transparency & fair payments to farmers

Secured calibration ensures accurate milk data, optimal payout to the farmer, increases transparency as it is free from any adjustments due to manual intervention, and ensures the desired quality of milk.

Real time information on Cloud

All the historical data logs such as Fat, SNF, self-cleaning data, calibration data, etc. are maintained online on the cloud which can be accessed real-time. Real-time analytics and actionable insights also help to make informed business decisions.

Preventive Health Check-up

Critical self-tests ensure clean, efficient, and accurate operations of the machine.

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The pursuit of purity

Our ideas and innovations are a part of the pursuit of maintaining the sanctity of milk so that the world's most ancient health drink can be appreciated as it truly is – untouched and unadulterated.

28+ states

350+ districts

68,000+ villages

900+ team members

Legacy of over 3 decades

10 patented products

220+ serviceable locations

24x7 support via mobile app

Optimise your business with other related products

AMCS
Automatic Milk Collection System (AMCS) is a comprehensive solution which digitizes and tracks the real-time information of milk collection process being followed at the collection centers. The cloud connectivity makes it possible to access the data from any location and BI Analytics Reports enable informed business decision making.

DPMCU
Data Processing Milk Collection Unit (DPMCU) has an integrated milk collection software that accepts data from Electronic Weighing Scale and Milk Analyzer. The DPU (with cloud connectivity) then processes the data and prints milk slips through in-built printer for farmers.

MilkoScreen
Milkoscreen accurately measures Fat, SNF and protein, based on proven FT-Infrared Technology. It also detects various adulterants such as added water, urea, sucrose, maltodextrin and ammonium sulphate present in the milk.

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