

KTPLBOND-701

SMART MILK COLLECTION & QUALITY ANALYSIS SYSTEM

ACCURATE • FAST • TRANSPARENT • RELIABLE

An advanced Android based milk collection and analysis system designed for dairy cooperatives and collection centers.



MILK TESTING

Fat, SNF, Density, Protein, Added Water



MILK WEIGHING

High Accuracy Load Cell



DATA MANAGEMENT

Android Based Smart System



RECEIPT PRINTING

Instant Slip for Farmers



CONNECTIVITY

WiFi, GSM, USB & Cloud Support



INCREASE EFFICIENCY

Faster milk collection and processing



ENSURE FAIR PAYMENTS

Accurate testing & weighing



COMPLETE TRANSPARENCY

Digital records reduce disputes



REDUCE COSTS

Low maintenance & operating cost



RELIABLE PERFORMANCE

Built for continuous daily operation

02 OVERVIEW

COMPLETE SOLUTION FOR DAIRY COLLECTION CENTERS

KTPLBOND-701 is an advanced Android based milk collection and analysis system designed to automate milk testing, weighing, data management and payment process for modern dairy businesses.



ACCURATE MILK ANALYSIS

Get precise results for FAT, SNF, Density, Protein & more



FAST & EASY OPERATION

User friendly Android interface with touch screen



FARMER FRIENDLY

Instant receipt and transparent payment system



DATA CONNECTIVITY

WiFi / GSM for real-time data upload and remote monitoring



SECURE DATA STORAGE

Automatic data saving & backup



BUILT FOR RELIABILITY

Industrial grade design for 24x7 operation

WORKFLOW



IDEAL FOR

- Dairy Cooperatives
- Milk Collection Centers
- Private Dairy Plants
- Chilling Centers
- Dairy Farms
- FPOs & NGOs
- Milk Testing Labs
- All Dairy Businesses

WHY KTPLBOND-701 IS THE RIGHT CHOICE?

- ✓ Increase Collection Efficiency
- ✓ Ensure Fair Payments
- ✓ Complete Transparency
- ✓ Reduce Operational Errors
- ✓ Low Operating Cost
- ✓ Long-Term Reliability

KEY FEATURES & BENEFITS



ALL-IN-ONE SOLUTION

Milk Testing, Weighing, Data Management & Printing in a single device.



HIGH ACCURACY SENSORS

Accurate FAT, SNF, Density, Protein analysis for fair and transparent milk collection.



ANDROID BASED SMART SYSTEM

Easy to use interface, software updates, apps, reports and customization.



TOUCH SCREEN DISPLAY

Large, bright and responsive screen for smooth operation.



MULTI CONNECTIVITY

WiFi, GSM, USB, LAN – Real-time data sync with cloud & mobile.



SECURE DATA STORAGE

Automatic data saving & backup for complete reliability.



INSTANT RECEIPT PRINTING

Thermal printer for fast farmer receipts and reports.



MULTI-LANGUAGE SUPPORT

Supports multiple languages for easy operation.



LOW MAINTENANCE

Robust design with low power consumption and minimal maintenance.



Increase Collection Volume

Process more milk in less time.



Reduce Operational Costs

Automated system reduces manual work and errors.



Improve Farmer Satisfaction

Transparent testing and instant payments.



Ensure Quality Milk Supply

Accurate analysis ensures better quality control.

TECHNICAL SPECIFICATIONS

MILK ANALYZER PARAMETERS

Parameter	Range
FAT	0.5% – 12%
SNF	6% – 12%
Density	1.0260 – 1.0330 g/cm ³
Protein	2% – 6%
Added Water	0% – 60%

STIRRER SPECIFICATION

Capacity	Up to 180 Samples / Hour (Approx)
Sample Volume	50 ML / Test
Stirrer Timer	Adjustable 7 Sec. – 15 Sec.
Working Principle	Ultra Sonic for Adjustable Frequency

WEIGHING INDICATOR

Display	7 Segment Digital Display, 10 mm Height
Key Buttons	Easy Operate Key Buttons
Calibration	Digital Calibration
Platform Type	Heavy Duty MS/SS Platform
Communication Port	RS232 Interface
Accuracy	±0.02% F.S.



OPTIONAL USE



Increase Efficiency



Reduce Errors



Ensure Fair Payments



Improve Farmer Satisfaction



Ensure Quality Milk Supply



Reduce Operational Costs

HARDWARE SPECIFICATIONS



CPU
Quad Core Cortex-A35



GPU
Mali-G31 GPU



Memory
On-board DDR3 2G high-speed dual channel RAM
(Expandable up to 4G)
Built-in storage 8G / 16G (Optional)
High-speed storage (MAX.128G optional)



Display Interface
HDMI connector, support 1080 Pixels



Network Support
WiFi 3G/4G, Module slot Mini-PCle /
BT/4.2 optional



Touch Screen
On board I2C port Support (Multipoint
capacitance touch screen)



Video Display
Support wmv/avi/flv/rm/rmvb/mpeg/ts/mp4 etc



Picture Format
Support BMP / JPEG / PNG / GIF etc.



USB
2 USB Port, USB 2.0, USB-A
2 USB Port, USB 2.0, USB-A port (with PH2.0-4P socket)



COM
2 RS232 (TTL optional) / 1 debugging TTL port



GPIO
4 ways IO Input Output optional



Audio Output
3.5mm earphone jack + 1 PH2.0-2P MIC input jack
Built-in 8R/5W × 2 amplifier left right
audio channel output



Power Supply
DC-12V Input • 5.5x2.5mm



Cooling
Cooling sheet



Working Humidity
0%~90% (Relative humidity, non-condensing)



Working Temperature
0°C – 60°C



Android
Based System



WiFi / GSM
Connectivity



Thermal
Printer



High Accuracy
Sensors



Cloud
Data Storage

