**Lactoscan COMBO**

**ACCURATE SOMATIC CELLS COUNTER & ULTRASONIC MILK ANALYZER IN ONE DEVICE!**

- **Fast!** Accurate! Reliable!
- **Total milk quality control!**

**SPECIFICATIONS**

- **Analysis time:** < 1 minute
- **Capacity:** > 60 tests per hour
- **Measuring range:** 10 000 to 10 000 000 cell/mL
- **Deviation:**
  - SCC (cell/mL): CV%
    - 100 000: 5%
    - 400 000: 3%
    - 600 000: 2%

**Internet Cloud Services**
- **e-mail & SMS support**
- **Multi-language support**
- **Touch-screen display**
- **Wireless keyboard and mouse**

**SOMATIC CELLS COUNTING IN THREE SIMPLE STEPS**

1. **Mix milk and Sofia Green dye**
2. **Pipette 12 µL and eject onto LACTOCHIP**
3. **Insert LACTOCHIP into the Somatic Cell Counter**

**SPECIFICATIONS**

- **Parameter**
  - Fat
  - SNF
  - Density
  - Protein
  - Lactose
  - Added water
  - Temperature
  - Freezing point
  - Salts
  - pH
  - Conductivity
  - Kg
  - Total solids

- **Measuring range**
  - Fat: 0.07-45% ±0.06%
  - SNF: 3-40% ±0.15%
  - Density: 1000-1160 kg/m³ ±0.3 kg/m³
  - Protein: 2-15% ±0.15%
  - Lactose: 0.07-20% ±0.2%
  - Added water: 0-70% ±3%
  - Temperature: 5-40 °C ±1°C
  - Freezing point: 0.4-0.7°C ±0.005°C
  - Salts: 0.4-4% ±0.05%
  - pH: 0-14 ±0.5%
  - Conductivity: 2-14 mS/cm ±0.05 (mS/cm)
  - Kg: 0-150 kg ±0.025 kg
  - Total solids: 0-50% ±0.17%

**Waterproof, duplicating the Touchscreen keypad protecting the display**

**Power Switch**
- **Somatic Cell Counter**
- **USB ports**
- **HDMI (option)**

**Internal integrated pH meter with probe (option)**

**7” fully functional touch-screen tablet**

**In-flow integrated pH meter with probe (option)**

**24” HDMI Display**

**Specifications**

- **Power Switch**
  - **Somatic Cell Counter**
  - **USB ports**
  - **HDMI (option)**

**This project is co-funded by the European Union**
MILKOTRONIC LTD

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The world's LOWEST PRICED IMAGE FLUORESCENCE CELL COUNTER

ENVIRONMENTAL CONDITIONS:
Ambient air temperature 10°C - 40°C (option 43°C)
Milk temperature: 1°C - 40°C
Relative humidity 30% - 80%

ELECTRICAL PARAMETERS:
AC voltage: 220V / 110V
DC voltage: 12V
Power Consumption: 30W max

MECHANICAL PARAMETERS:
Dimensions (W x D x H): 390 x 300 x 260 mm
Weight < 5.3 kg
Combined stainless steel and plastic box

buy online on www.lactoscan.com

Lactoscan Analyser - Database (LSAn-DB)
LSAn-DB collecting information from Lactoscan® compatible measurement files and creating reports consistent with predefined formular. The application saves data collected to a MySQL database.
Local and Cloud Based DB
Cloud Database Application. Total solution for milk collecting process.
Windows tablet, wireless, cloud services based system:
- Easy to use, integrated, internet based;
- Automated farmer identification (bar-code card);
- Real-time SMS and e-mail alerts;
- Remote back-up support and maintenance, updates;
- Payment schemes: calculations;
- Real-time online access to milk data,

Advantages:
- remote modification of the rate-charts
- remote support and maintenance
- remote alert for changes in calibration

Milk conductivity measuring system (option)
Milk conductivity changes depending on concentration of ions in the milk. Milk conductivity can be used for:
- test of udder health (detection of subclinical mastitis);
- control of water evaporation grade in condense milk production;
- determination of dry milk solubility rate.

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The iceberg of mastitis

Somatic cells images

100 000 cells/mL
7 000 000 cells/mL

3 working modes
Main
Graph
Advanced (option)

Indication of mastitis, healthy and pathological forms

CLINICAL

MASTITIS

1
Clinical Mastitis

2
Subclinical Mastitis

1
Healthy

20 - 40 Subclinical Mastitis

120 Healthy

> 400 000 cell/mL
20 000 - 40 000 cell/mL
< 20 000 cell/mL

Results are color coded

Normal milk

Yeast mastitis

Bacterial mastitis

INTERNET REMOTE
FIRMWARE UPDATE
(Download Center)