

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

Lactoscan COMBO

Fast! Accurate! Reliable!
Total milk quality control!



Accurate somatic cells counting in three simple steps



Fast Autofocus

Test results within 20 to 60 seconds

Store unlimited number of records in the database

Automatic software update and Remote service

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%



LACTOCHIP x2
High accuracy analysis

LACTOCHIP x4
Low cost per analysis



Bar-code reader (USB)

Wireless keyboard and mouse

External Standard Printer



21" HDMI Display

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

SPECIFICATIONS

Parameter	Measuring range	Accuracy
Fat	0,01-45%	±0,06%
SNF	3-40%	±0,15%
Density	1000-1160 kg/m ³	±0,3kg/m ³
Protein	2- 15%	±0,15%
Lactose	0,01-20%	±0,2%
Added water	0-70%	±3,0%
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	±0,05%
Conductivity	2-14 mS/sm	±0,05(mS/cm)
Kg	0-150 kg	±0,025 kg
Total solids	0-50%	±0,17%



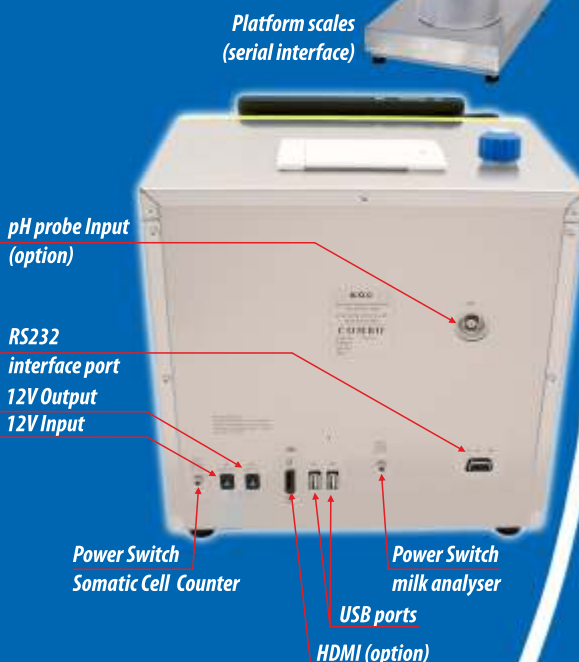
In-flow integrated pH meter with probe (option)

Inbuilt printer

7" fully functional touch-screen tablet

Waterproof, duplicating the Touchscreen keypad protecting the display

(option) 50 sec., 30 sec., 20 sec. measurement



Platform scales (serial interface)

pH probe Input (option)

RS232 interface port
12V Output
12V Input

Power Switch Somatic Cell Counter

Power Switch milk analyser

USB ports
HDMI (option)

This project is co-funded by the European Union



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

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

Detects subclinical and clinical mastitis
in a single teat of the udder

1 Clinical Mastitis
20 - 40 Subclinical Mastitis
120 Healthy



**CLINICAL
MASTITIS**

**SUBCLINICAL
MASTITIS**

- Clinical Mastitis** > 400 000 cell/mL
- Subclinical Mastitis** 200 000 ÷ 400 000 cell/mL
- Healthy** < 200 000 cell/mL
- Yeast mastitis**

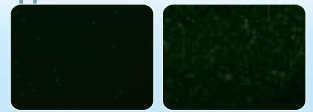
Results are color coded



The iceberg of mastitis



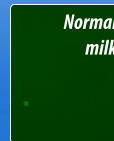
Somatic cell images



3 working modes



Indication of
yeast mastitis and
bacterial mastitis



LactoScan Analyser - Database (LSAn-DB)

LSAn-DB collecting information from Lactoscan® compatible measurement files and creating reports consistent with predefined formulae. 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:

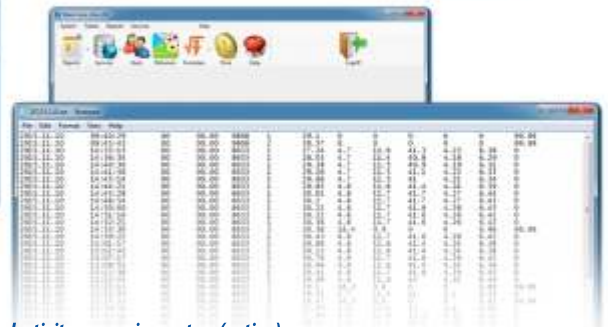
- remote modification of the rate-charts
- remote support and maintenance
- remote alert for changes in calibration



Milkotronic Dairy United - Nova Zagora

Report for: 2015-04-06 | Type of report: SHR / Large | SHR: Morning

Time	Desired	Litres	Fat	SNF	Rate	Amount	Value
11:07:48	1301	1.54	3.97	22.09	20.12	26.96	347.26
09:57:09	1114	12.63	4.33	28.24	4.94	80.89	172.89
09:54:21	1204	3.75	4.11	23.92	4.99	13.67	178.03
09:50:23	1214	12.07	4.03	24.71	5.98	181.09	2039.43
09:50:30	2604	34.52	11.66	22.20	4.54	155.62	2017.39
Average Fat: 7.23		Average SNF: 23.54		Average Rate: 6.48		Total Value: 5608.80	
Total Amount: 435.47		Total Quality: 93.44					



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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