

**ULTRASONIC MILK ANALYSER BASED ON MS WINDOWS
AND DATABASE APPLICATION**

Lactoscan LW based on MS Windows

High-end ultrasonic technology for analyzing any kind of milk



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

KEY FEATURES:

- User-friendly: simple in operation, maintenance, calibration and installation
- Portable and compact design
- Very small quantity of milk required
- Low power consumption
- No use of hazardous chemicals
- One year full warranty

SPECIFICATIONS Lactoscan LW:

Parameter	Measuring range	Accuracy
Fat	from 0.01 % to 45%	± 0.06%
SNF	from 3% to 40%	± 0.15 %
Density	from 1000 to 1160 kg/m ³	± 0.3 kg/m ³
Protein	from 2% to 15%	± 0.15%
Lactose	from 0.01 % to 20%	± 0.20%
Added Water content	from 0 % to 70 %	± 3.0%
Temperature of milk	from 5°C to 40°C	± 1°C
Freezing point	from - 0,400 to - 0,700°C	± 0.005 °C
Salts	from 0,4 to 4%	± 0.05%
pH	from 0 to 14	± 0.05%
Conductivity	from 2 to 14 mS/cm	± 0.05 (mS/cm)
Kg	from 0 to 150 kg	± 0.025 kg
Total solids	from 0 to 50 %	± 0.17%

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

Milk analyzer Lactoscan makes quick analysis of milk and liquid dairy products:

Cow milk (25%)	Whey	Concentrated milk (up to 1160kg/m ³)
Sheep milk	Cream (up to 45%)	Recovered milk
Buffalo milk	Skimmed milk (0,01% FAT)	Etc.

And can be calibrated by the customer with specific samples of:
Yoghurt, Flavoured milk, Ice-cream mixtures etc.

MEASURING PARAMETERS:

- Fat
- Solids-non-fat (SNF)
- Total Solids
- Density
- Protein
- Lactose
- Milk sample temperature
- Added water
- Salts
- Freezing point
- pH
- Conductivity
- Kg
- Ion meter



ENVIRONMENTAL CONDITIONS:

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

ELECTRICAL PARAMETERS:

Switching Adapter
Input: 100 - 240 V ~ 1.6 A max.
50-60 Hz
Output: +12 V 4.17A min.
Output power: 50 - 65 W

MECHANICAL PARAMETERS:

Dimensions: (W x L x H)
250x290x300 mm
Weight: < 7 kg
Stainless steel box

Functions:

- Input information
- Communication - SMS and e-mail
- Active Formulae
- System log

Tables and formulae - deliverers and price

- Reports:
shift, daily, monthly,
deliverer daily report,
deliverer monthly report

Database services:

- Archive DBRes
- Restore DBRes
- Init DBRes
- Archive DBDel
- Restore DBDel
- Archive all Databases
- Restore All Databases
- DB Server

buy online on
www.lactoscan.com



ULTRASONIC MILK ANALYSER WITH MS WINDOWS AND DATABASE APPLICATION



USB hub

pH probe Input

12V Output

12V Input

Power switch

Option:
automatic cleaning

Integrated pH meter



pH measuring system
(degree of acidity) (option)
In-flow pH measuring system
(degree of acidity)
All parameters - measured
in a single sample

Antenna output for
GSM/GPRS (option)

Power Tablet ON/OFF

HDMI (option)

LAN port (option)

RS232 port



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.

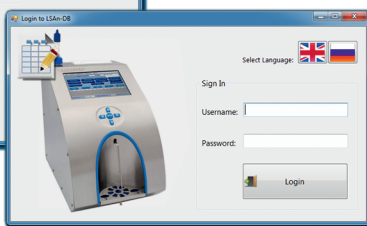
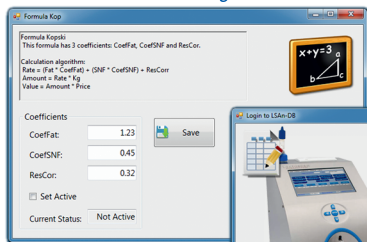
Total solution for milk collecting process.

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

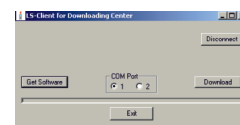


Milkotronic Dairy United - Nova Zagora
Report generated: 2015-11-29 15:33:05

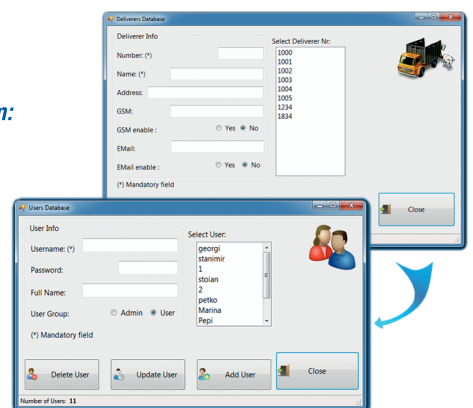
Report for: 2015-04-09 | Type of report: Shift / Large | Shift: Morning

Calibration type: 2							
Time	Deliverer	Litres	Fat	SNF	Rate	Value	
11:57:48	1001	1.34	3.97	22.69	20.12	26.96	
09:57:03	1114	12.83	4.33	25.24	4.54	56.89	
09:55:21	1234	2.5	4.11	23.92	5.56	13.90	
09:58:23	1914	32.57	4.03	24.21	5.56	181.09	
09:59:30	2924	34.50	11.66	22.29	4.54	156.63	
Average Fat:		7.23	Average SNF:		23.54	Average Rate:	2017.39
Total Amount:		435.47	Total Quantity:		83.44	Total Value:	5608.80

Calibration type: 3						
Time	Deliverer	Litres	Fat	SNF	Rate	Value
11:58:12	1002	3.45	3.87	23.69	4.54	15.66
10:26:39	1234	10.54	4.22	24.92	5.56	58.60
10:45:32	3200	17.57	4.43	22.91	11.24	197.49



Internet Remote
Firmware Update
(Download Center)



20151104M - Notepad

2015.11.10	09:40:29	00	00.00	9808	1	29.1	0	0	0	0	0	99.99
2015.11.10	09:45:43	00	00.00	9808	2	30.37	0	0	0	0	0	99.99
2015.11.10	14:35:15	00	00.00	8613	1	27.03	4.7	11.6	41.3	4.23	0	6.29
2015.11.10	14:36:34	00	00.00	8613	1	29.38	4.7	11.4	40.9	4.18	0	6.29
2015.11.10	14:40:39	00	00.00	8613	1	29.8	4.7	11.5	41.1	4.22	0	6.29
2015.11.10	14:41:36	00	00.00	8613	1	29.86	4.7	11.5	41.1	4.22	0	6.29
2015.11.10	14:43:14	00	00.00	8613	1	29.66	4.7	11.5	41.1	4.22	0	6.29
2015.11.10	14:44:21	00	00.00	8613	1	29.85	4.8	11.6	41.4	4.24	0	6.29
2015.11.10	14:45:08	00	00.00	8613	1	30.05	4.8	11.7	41.7	4.25	0	6.43
2015.11.10	14:48:54	00	00.00	8613	1	30.2	4.8	11.7	41.7	4.27	0	6.43
2015.11.10	14:50:00	00	00.00	8613	1	30.22	4.8	11.7	41.8	4.28	0	6.43
2015.11.10	14:51:16	00	00.00	8613	1	30.22	4.8	11.7	41.6	4.26	0	6.43
2015.11.10	14:52:21	00	00.00	8613	1	30.36	4.8	11.7	41.6	4.26	0	6.43
2015.11.10	14:53:39	00	00.00	8613	1	30.38	4.8	11.7	41.6	4.26	0	6.43
2015.11.10	14:59:22	00	00.00	8613	1	30.43	4.8	11.7	41.6	4.26	0	6.43
2015.11.10	15:01:27	00	00.00	8613	1	29.89	4.8	11.6	41.4	4.24	0	6.29
2015.11.10	15:02:43	00	00.00	8613	1	30.13	4.8	11.6	41.4	4.24	0	6.29
2015.11.10	15:07:07	00	00.00	8613	1	30.16	4.8	11.7	41.6	4.26	0	6.43
2015.11.10	15:09:55	00	00.00	8613	1	30.99	4.8	11.6	41.4	4.24	0	6.29
2015.11.10	15:12:38	00	00.00	8613	1	30.41	4.8	11.7	41.8	4.29	0	6.43
2015.11.10	15:13:45	00	00.00	8613	1	29.99	4.8	11.8	42	4.31	0	6.49
2015.11.10	15:15:00	00	00.00	8613	1	29.15	4.2	11.7	41.8	4.29	0	6.43
2015.11.10	15:24:37	00	00.00	8613	1	29.2	4.2	11.5	41	4.2	0	6.13
2015.11.10	15:28:39	00	00.00	8613	1	29.47	4.3	11.5	41	4.2	0	6.13
2015.11.10	15:30:00	00	00.00	8613	1	29.5	4.3	11.5	41	4.2	0	6.13
2015.11.10	15:40:18	00	00.00	8613	1	27.89	4.9	11.9	42.2	4.3	0	6.52
2015.11.10	15:43:00	00	00.00	8613	1	27.63	4.9	11.7	41.6	4.26	0	6.43
2015.11.10	15:43:25	00	00.00	8613	1	27.24	4.8	11.6	41.4	4.24	0	6.29
2015.11.10	15:45:09	00	00.00	8613	1	27.68	4.8	11.7	41.7	4.28	0	6.43
2015.11.10	16:00:11	00	00.00	8613	1	29.9	4.8	11.8	42	4.31	0	6.49
2015.11.10	16:01:30	00	00.00	8613	1	29.11	4.8	11.8	42	4.31	0	6.49
2015.11.10	16:02:30	00	00.00	8613	1	29.11	4.8	11.8	42	4.31	0	6.49

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.

MILKOTRONIC LTD

Bulgaria, 6000 Stara Zagora
167, Tsar Simeon Veliki, A, 25
Tel: + 359 457 670 82,
Fax: + 359 457 670 83

e-mail: salesdpt@lactoscan.com
Eng, Spa, Port: +359 886 841 389
e-mail: sales2@lactoscan.com
Eng, Rus: +359 886 841 395
e-mail: mainservice@lactoscan.com
Eng, Rus: +359 888 811 017

e-mail: m.mihneva@lactoscan.com
Eng: + 359 885 597 232
e-mail: milkanalyzers@lactoscan.com
Eng, Rus: +359 896 753 803

distributors: