Lactoscan LW based on MS Windows

**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 MCCW:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Measuring range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fat</td>
<td>from 0.01 % to 45%</td>
<td>± 0.06%</td>
</tr>
<tr>
<td>SNF</td>
<td>from 3% to 40%</td>
<td>± 0.15 %</td>
</tr>
<tr>
<td>Density</td>
<td>from 1000 to 1160 kg/m³</td>
<td>± 0.3 kg/m³</td>
</tr>
<tr>
<td>Protein</td>
<td>from 2% to 15%</td>
<td>± 0.15%</td>
</tr>
<tr>
<td>Lactose</td>
<td>from 0.01 % to 20%</td>
<td>± 0.20%</td>
</tr>
<tr>
<td>Added Water content</td>
<td>from 0 % to 70 %</td>
<td>± 3.0%</td>
</tr>
<tr>
<td>Temperature of milk</td>
<td>from 5°C to 40°C</td>
<td>± 1°C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>from – 0,400 to – 0,700°C</td>
<td>± 0.005 °C</td>
</tr>
<tr>
<td>Salts</td>
<td>from 0.4 to 4%</td>
<td>± 0.05%</td>
</tr>
<tr>
<td>pH</td>
<td>from 0 to 14</td>
<td>± 0.05%</td>
</tr>
<tr>
<td>Conductivity</td>
<td>from 2 to 14 mS/cm</td>
<td>± 0.05 (mS/cm)</td>
</tr>
<tr>
<td>Kg</td>
<td>from 0 to 150 kg</td>
<td>± 0.025 kg</td>
</tr>
<tr>
<td>Total solids</td>
<td>from 0 to 50 %</td>
<td>± 0.17%</td>
</tr>
</tbody>
</table>

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

**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

Milk analyzer Lactoscan makes quick analysis of milk and liquid dairy products:
- Cow milk (25%)
- Sheep milk
- Buffalo milk
- Whey
- Cream (up to 45%)
- Skimmed milk (0.01% FAT)
- Concentrated milk (up to 1160kg/m³)
- Recovered milk
- Etc.

And can be calibrated by the customer with specific samples of:
- Yoghurt, Flavoured milk, Ice-cream mixtures etc.
ULTRASONIC MILK ANALYSER
WITH MS WINDOWS AND DATABASE APPLICATION

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.

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

HDMI (option)

pH probe Input

12V Output

12V Input

Power switch

Option: automatic cleaning

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

Internet Remote Firmware Update
(Download Center)

USB ports
(printer, bar-code reader, keyboard and mouse, remote display and weight scales)

RS232 interface port
(connection for remote display and weight scales)

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

Integrated pH meter

ENVIROMENTAL 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 - delivers and price
- Reports:
  - shift, daily, monthly,
  - deliverer daily report,
  - deliverer monthly report

- Database services:
  - Archive DBRes
  - Restore DBRes
  - Init DBRes
  - Archive DBDe
  - Restore DBDe
  - Archive all Databases
  - Restore all Databases
  - DB Server

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