



# MILKOTRONIC LTD

www.lactoscan.com  
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## LACTOSCAN FarmEco

MILK ANALYZER  
Quick Start Guide

### 1 SAFETY INSTRUCTIONS

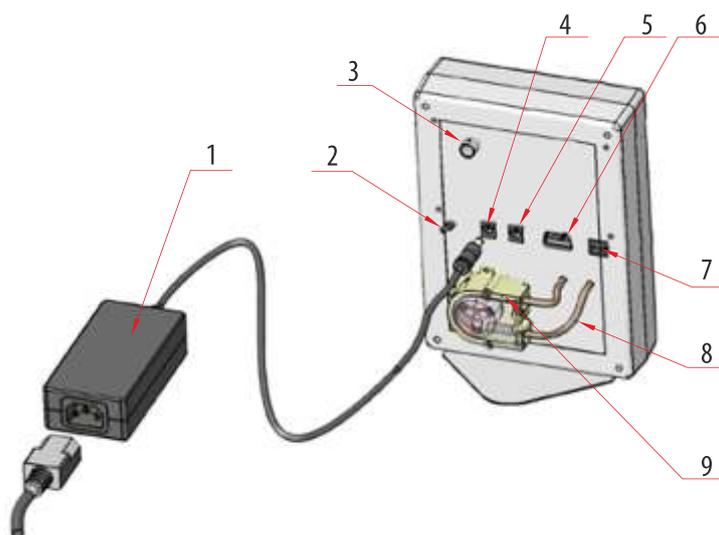
1. Read this manual carefully and make sure that you understand all the instructions.
2. For safety purposes the device is equipped with grounded power cable. If there is no grounded electrical outlet where the device will be used, please, install such before using the device.
3. Place the device on leveled and stable plate. In case it falls or is severely shocked it may be damaged.
4. Connect to the electrical network in such a way that the power cable to stay away from the side for accessing the device and not to be stepped on.
5. Every time before cleaning the device switch it off and unplug it from the electrical outlet. The device has to remain unplugged till the cleaning completion.
6. Do not disassemble the unit in order to avoid possible electrical shock. In case of malfunction contact your local dealer.
7. Handle the liquids the device works with carefully, following all the instructions for their preparation.
8. Place the switching adaptor in such a way as to be protected from overflow and spillage of liquids.

### 2 ASSEMBLING THE DEVICE

Open the box. Carefully take out the contents of the box.  
Place the machine on flat level surface

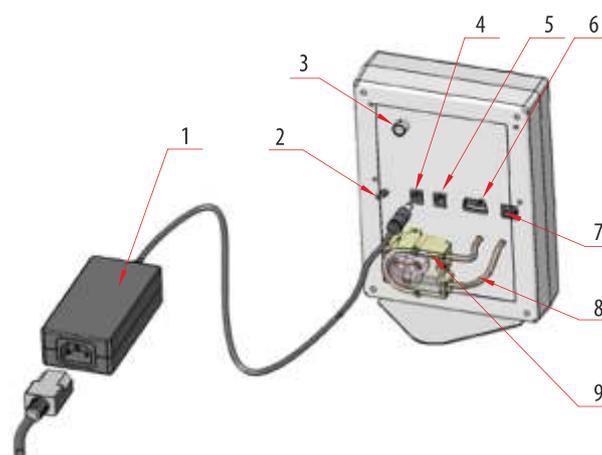
### 3 SWITCHING ON THE SYSTEM

1. Connect the switching adapter on the back of the device (point 1)



- |                            |                                      |
|----------------------------|--------------------------------------|
| 1. Switching adapter       | 5. 12 V input                        |
| 2. Power switch            | 6. Serial interface (RS232/ printer) |
| 3. pH probe input (option) | 7. USB (option)                      |
| 4. 12 V printer output     | 8-9. peristaltic pump                |

2. Switch on the Lactoscan from the back panel switch (point 2)



3. For a short time the display shows the number of the software versions, for example:

**Milk analyzer xxx**  
**MB vers yy**  
**Ser. N. xxxx**

4. Till the analyser is prepared for work (at about 5 minutes) the following message is written on the display: **"Getting ready"**.
5. Wait until the device is ready.
6. When the device is ready for work, the display shows: **"Ready to start"**.
7. If you want to pass to another mode press the button Enter and hold it pressed. The following message appears on the display:

**Release button to**  
**start menu**

8. Release the button **Enter**.
9. The display shows the possible working modes:

#### Milk selector

**Cal1 – Cow**  
**Cal2 – Sheep**  
**Cal3 – UHT**

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**Cleaning**  
**Printing**

10. Using **"up"** ▲ and **"down"** ▼ buttons choose the working mode and press **Enter** in order to start it.
11. Make sure the analyser is still during measurement. Vibrations may lead to inaccurate results.
12. To start measurement: pour the preliminary prepared sample in the sample holder.
13. Put the sample holder in the recess of the analyzer.
14. Press the button **Enter**.

15. The analyser sucks the milk, makes the measurement and returns the milk in the sample holder.
16. Ignore the results received immediately after switching on the analyser and after measuring distilled water.
17. Make a second measurement with new portion of the same sample.
18. When the measurement is finished, the sample returns in the sample-holder and the display shows the results. For example:

**Results:****F=ff.ff S=ss.ss****D=dd.dd P=pp.pp****L=ll.ll W=ww.ww**

19. The results remain on the display till a new measurement is started.
20. If the analyser is connected to a computer, it automatically sends the data to the computer and/or prints them.
21. There are 2 variants of printing:
  - after switching on the power supply of the device.  
Then the analyser's parameters are printed (Identity).
  - after completed measurement.  
Prints out the results from the last measurement.
22. When finished work, start the cleaning procedure of the analyser.
23. Please refer to the user manual about the proper way of cleaning the machine

**IMPORTANT**

THE MAIN REASON FOR MALFUNCTIONING OF THE DEVICE IS THE BAD CLEANING OF THE SYSTEM AFTER MAKING ANALYSIS.

In case of malfunction due to the bad cleaning of the analyser your guarantee is not valid anymore and any repair has to be paid.

**4 TURNING OFF THE SYSTEM**

1. Switching off the analyser could be done by switching the Power button on the rear panel of the analyser.

\* NOTE: If you have any questions about any of the procedures, please contact Milkotronic LTD

**5 OPTIONS AND ACCESSORIES**

External  
Printer

**6 MORE INFORMATION**

You can download the Instruction Manual of the device from our website:  
[http://lactoscan.com/editor/ufo/manuals/FARM%20ECO/FARMECO\\_Eng.pdf](http://lactoscan.com/editor/ufo/manuals/FARM%20ECO/FARMECO_Eng.pdf)

**7 SUPPORT**

For any additional information and further question regarding the servicing of the device, contact us at: [mainservice@lactoscan.com](mailto:mainservice@lactoscan.com)

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