

LACTOSCAN TETA

Thermostatic device / Dry incubator

Operation manual

1. INTRODUCTION

LACTOSCAN TETA is very simple to use thermostatic device for incubation of Unisensor, Ballya Bio and Bioeasy Dairy tests. The user can set the desired temperature and time periods.

For safe and dependable operation of this thermostatic device, please comply with the following **safety precautions**:

- Verify that the input voltage printed on the AC Adapter and the plug type matches the local AC power supply.
- Make sure that the power cord does not pose a potential obstacle or tripping hazard.
- Place the incubator on a firm and level surface.
- Disconnect the thermostatic device from the power supply when cleaning it.
- Follow the instructions in this manual when operating with the thermostatic device.
- Service should be performed by authorized personnel only.

2. Unpacking:

Unpack and verify that the following components have been included:

- LACTOSCAN TETA - two separate parts;
- Switching AC adapter 12V or 24V;
- Power cord;
- Car/truck lighter connecting cord;
- Instruction manual.

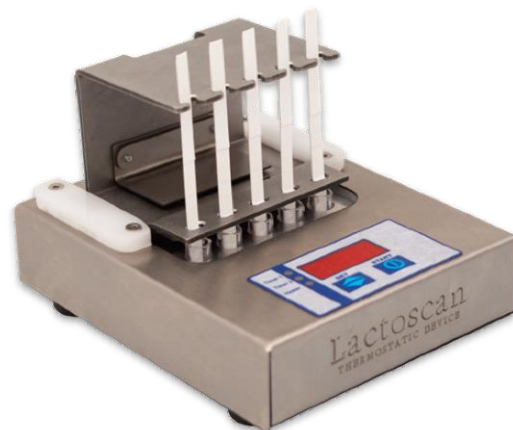
Save the packaging materials. This packaging ensures the best possible protection for the storage or transport of the product.

3. Mechanical parameters:

W x L x H: 113x150x90mm

Weight: 0,800 kg

Stainless steel cover box



4. Electrical parameters:

LACTOSCAN TETA can be supplied with 12V or 24V power supply. On customers' request the device is shipped with either 12V or 24V switching adapter.

Switching adapter details:

- **12V switching adapter:**
Input: 100-240V ~ 50/60 Hz
Output: 12V $\ddot{=}$ 3A
- **24V switching adapter:**
Input: 100-240V ~ 50/60 Hz
Output: 24V $\ddot{=}$ 3.75A

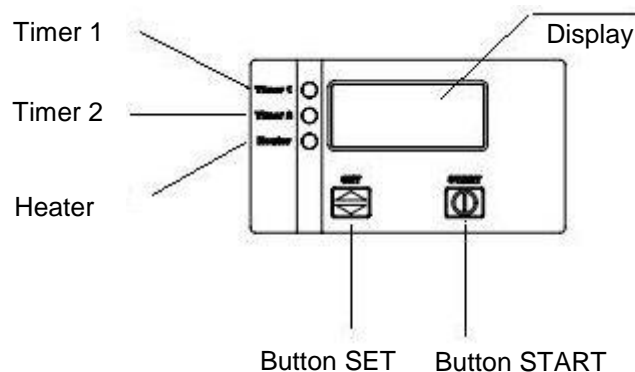
5. Before working with the thermostatic device:

The device is composed of two different parts: Strip holder and thermostatic device.

- Strip holder with two positions:
 - 1st for placing the test vials into the thermostatic device.
 - 2nd for placing the test strips into the strip holder.
- And thermostatic device.

Before working with the device, place the strip holder into the thermostatic device on the 1st position.

6. Overview of display indications and keyboard functions:



- Timer 1 (green) – shows the status of Timer 1 (also in the programming mode).
- Timer 2 (green) – shows the status of Timer 2 (also in programming mode).
- Heater (red) – shows the status of the heater (on-off).
- Button SET – serves to adjust the temperature / time.
- Button START – starts Timer 1 and Timer 2.
- Three digits indication (display) - shows the temperature / time.
- Decimal point – blinks when measuring the temperature.

7. Operations:

7.1. Factory settings:

The thermostatic device is factory set for the following temperature and time ranges:

	Mode Ballya Bio Dairy test
Temperature	37 °C
Timer 1	5 minutes
Timer 2	5 minutes

8. Starting the incubation:

- The strip holder has two positions:
1st when placing the test vials into the thermostatic device.



- 2nd when placing the test strips into the strip holder.



- Before turning on the device, place the strip holder into the thermostatic device on 1st position.
- Turn on the thermostatic device, wait until it reaches the set temperature.



- Place the vials into the thermostatic device.



- Press the **START** button to start running Timer 1.



- Move the strip holder into 2nd position and press the **PUSH** button on its back.



- Place the test strips into the strip holder.



- When Timer 1 finishes, the device beeps, on the display appears the time of Timer 2. The device automatically goes into Timer 2.



- When Timer 2 finishes, the device starts beeping, on the display is written number "2" and the user has to press the **START** button to stop the mode.



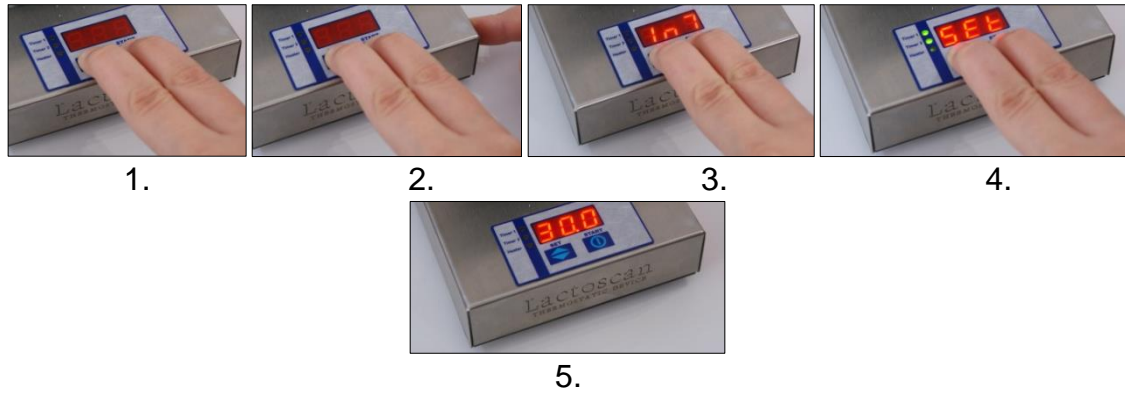
9. **Programming:**

For programming or reprogramming, the user must follow the step below:

9.1. **Setting parameters:**

- Switch off the thermostatic device from the **ON/OFF** button on the right side.
- Press and hold buttons **SET** and **START**, keep them pressed.
- Switch on the thermostatic device.
- After 3 seconds the device beeps and on the display is written the software version "In7" and SET.
- Release buttons **SET** and **START**.
- The device restarts and on the display is written 30°C.

See photos 1-5 below:



9.1.1. Setting the temperature:

- Set the temperature by pressing button **SET** until it reaches the desired degrees. The range from which you can choose is between 30°C and 80°C.
- Press the button **START** to save the adjusted temperature.

See photos 1-3 below:



9.1.2. Setting time for Timer 1:

- After you have saved the adjusted temperature, on the display is written "001". Use the button **SET** to adjust the desired time for Timer 1. Timer 1 is in minutes. By pressing the button **SET** the time interval is changed by 1 minute.
- Press the button **START** to save the adjusted time.

See photos 1-3 below:



9.1.3. Setting time for Timer 2:

- After you have saved the adjusted time for Timer 1, on the display is written "001". Use the button **SET** to adjust the desired time for Timer 2. Timer 2 is in minutes. By pressing the button **SET** the time interval is changed by 1 minute.
- Press the button **START** to save the adjusted time.

See photos 1-3 below:



1.

2.

3.

The device beeps and shows the current temperature. Now the temperature and time settings for the thermostatic device are saved.

10. Connecting LACTOSCAN TETA towards 12V car lighter or 24V truck lighter:

The user can connect the device towards a car lighter voltage 12V or towards a truck lighter voltage 24V by using the car/truck lighter connecting cord.

11. Cleaning:



ATTENTION!

In order not to damage any part of the thermostatic device, please follow the cleaning instructions below.

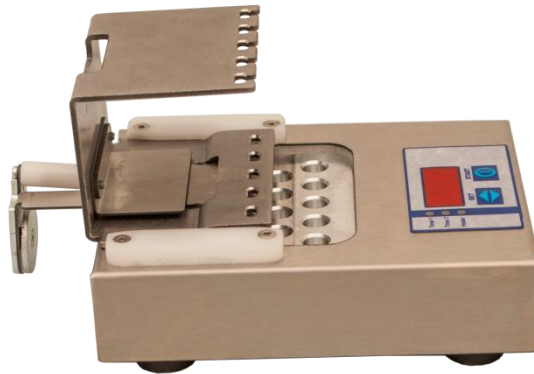
Clean the **metal cover box** of the thermostatic device with ethyl alcohol and soft cloth.

Clean the **plastic parts** of the thermostatic device with dishwashing liquid, water and soft cloth.

LACTOSCAN Thermostatic device Data sheet

Model:	LACTOSCAN TETA
Number of wells:	14
Compatible test/tube:	Ballya Bio Dairy tests
Temperature range:	30°C to 80°C ($\pm 0.5^\circ\text{C}$)
Working mode:	<ul style="list-style-type: none"> • Temperature: 37°C • 1st time interval: 5 minutes • 2nd time interval: 5 minutes
Environmental condition:	Ambient temperature has to be 5°C below the desired set temperature
	Operating temperature: 0 to 40°C
Electrical parameters:	Switching adapter: Input 100 – 240 V ~ 1.6 Amax, 50 ~ 60 Hz
	Power consumption: 25W (12V), 100W (24V) until the necessary temperature is reached, after that 1/10 th
Dimensions (W x L x H):	113x150x90mm
Weight:	0.500 kg
Cover box material:	Stainless steel
Application:	Incubating antibiotic test for raw milk





WARRANTY CARD

LACTOSCAN TETA

Guarantee period is 1 (one) year after purchasing date. Improper handling, transport and storage will invalidate the guarantee. Guarantee is void if warranty labels are removed.

Serial N°

Date of purchase:

Password:

Distributor:

Distributor:

Signature:

Stamp:

Milkotronic Ltd reserves the right to select the methods used to analyze a product to determine the validity of the guarantee. No warranty is granted for products beyond their expiration date.

WARRANTY CARD

Purchaser:

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Service report:

Service entry date	Damage	Delivery date	Signature

Contacts

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