



LEADERS IN  
STERILISATION  
SINCE  
**1925**

Sterilisation & Life Science Solutions

# T-Lab Eco

## 85 Liter Chamber




Affordable Performance and Trusted Reliability  
for all your laboratory sterilization needs

Laboratory



# The Economic Laboratory Autoclave From The World's Premium Expert Manufacturer

## Vertical Autoclave

-  Economic Line
-  Reliable Performance
-  Minimal Laboratory Resource Consumption



**T-Lac Eco** was developed especially for educational institutions and research facilities. Designed with simplicity and economy in mind.

This vertical floor-standing autoclave covers the fundamental needs for general lab sterilization with the aim of increasing the **productivity** of your laboratory.

Offering the best universal capacity size, together with the **optimisation** of resources such as water, power and operating time results.

Handed to you, in an affordable and reliable solution you can count on managing your laboratory **workload**.

## Sterilization Application

Intended for the sterilisation of a wide range of liquids and solids such as glassware, metal utensils and other laboratory items.


This reliable workhorse is ideal for the general laboratory in need of an easy operation, safety and the cycles features for your day-to-day needs.



# Making Your Process Easier, Accurate and Affordable


Intuitive, user friendly technology, including colour touchscreen and multiple programmes for sterilisation

## Feature Advantages Included:

- 


### Reliable Performance

**This trusted basic product will do what you need and expect it to do**

  - Solid and glassware loads
  - Liquid loads
  - Efficient sterilisation time including cooling
  - Two PT100 sensors as standard
- 

### Plug & Play

**This autoclave arrives in a plug and play mode that does not require dedicated installation connections, simply a power source**


  - Multi color user-friendly touch screen
  - Connectivity to R.PC.R
  - Stores the last 1000 cycles in built-in memory
- 

### Affordable

**Less in More**


  - Built to last without paying for the features and parts you do not need

**Greater Value at Lower Cost**

Less water wasted, less electricity consumed, less time spent on maintenance and repair
- 

### Versatile

**Adaptable for All Your Basic Needs**

  - Sterilizes liquids, solids, sealed and unsealed bottles
  - Performance and quality within a small space
  - Cylindrical autoclaves – easier to operate, less expensive to maintain, and more reliable over a longer working life
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### Safety

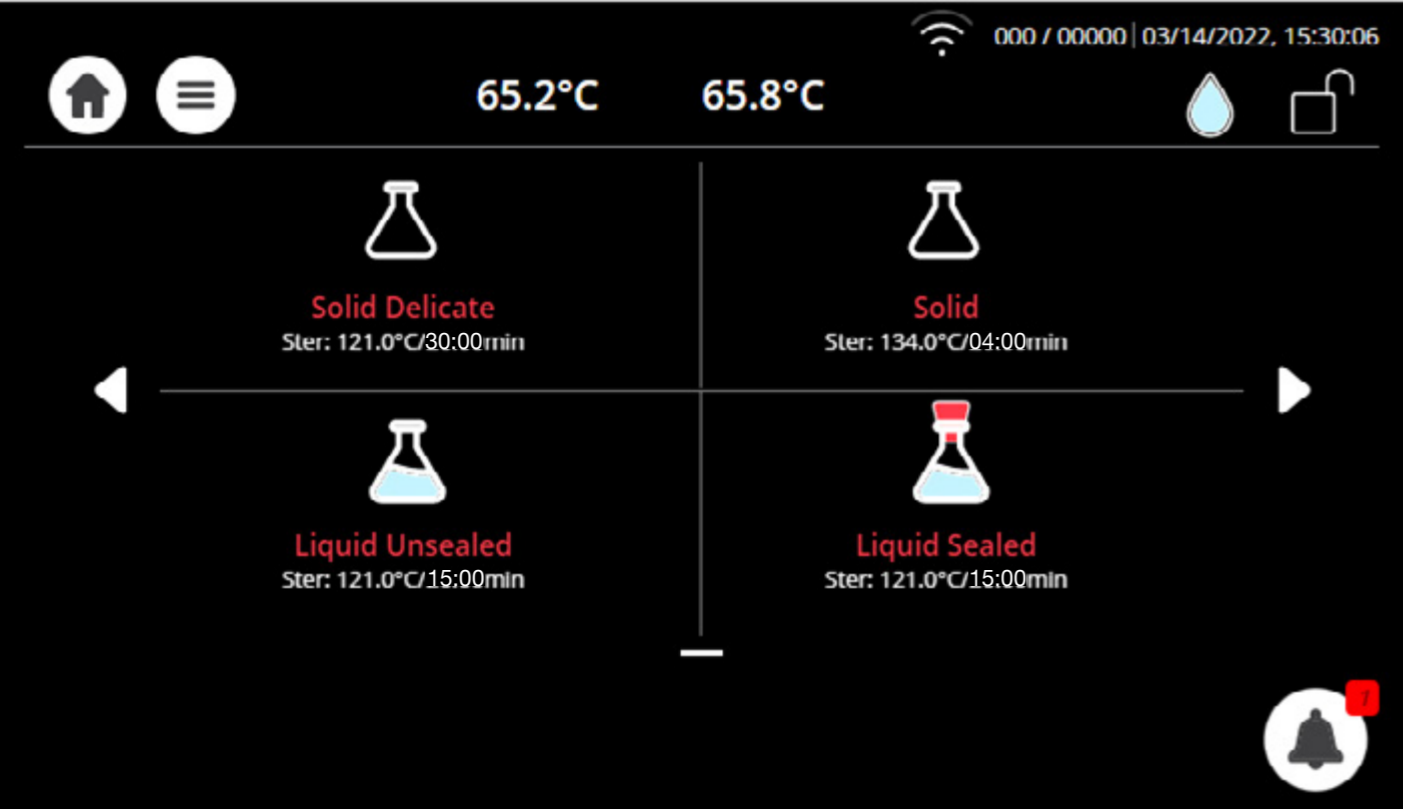
**Meets International Regulations**

  - International standards + PED certified

## EQUIPPED WITH UNPARALLELED FEATURES, UNIQUE TO T-LAB ECO

- Two PT100 sensors
- Built-in cooling fan
- High-resolution tactile touchscreen
- Built-in memory: 1000 cycles





STERILIZATION PROGRAMMES


Cycle icon	Cycle name	Temperature	Sterilization time (minutes)	Load Type	Type of Use
	Liquid Sealed	121°C	15	Container with Liquid	Immediate use only
	Liquid Unsealed	121°C	15	Container with Liquid	Immediate use only
	Solid	134°C	4	Solid Load	Immediate use only
	Solid Delicate	121°C	30	Solid Load	For storage



LOADING CAPACITIES


ERLENMEYER FLASKS Size	Total Units: #Unit x #Basket	BOTTLES / Schott Duran Size	Total Units: #Unit x #Basket
250 ml Ø 85 x 143 mm	13 x 2	250 ml Ø 70 x 143 mm	19 x 2
500 ml Ø 105 x 183 mm	8 x 2	500 ml Ø 86 x 182 mm	12 x 2
1000 ml Ø 131 x 230 mm	5 x 2	1000 ml Ø 101 x 203 mm	8 x 2
2000 ml Ø 166 x 280 mm	3 x 1	2000 ml Ø 136 x 260 mm	4 x 1

\* Loading capacities in this tables are non-binding guidance.  
\* Total units per basket have been calculated using International Standard Erlenmyers Plasks and Schott Duran.



Stainless Steel Wire Baskets		
Item	Dimensions	Photo
2 Stainless Steel baskets included	Dimensions Ø x D (mm): 360 × 280	

Optional Unperforated Basket		
Item	Dimensions	Photo
GR pail - Optional	Dimensions Ø x D (mm): 350 × 450	
GR tray - Optional	Dimensions Ø x D (mm): 345 × 5	

Optional Thermal Printer	
<div><b>T-LAB Printer – Desktop Direct Thermal Bar Code Printer</b><ul style="list-style-type: none"><li>▪ High quality double-walled clamshell design</li><li>▪ 127 mm (5”) OD media capacity</li><li>▪ Up to 127 mm (5”) per second print speed</li><li>▪ Easy media loading</li><li>▪ Head open sensor</li><li>▪ Serial and USB 2.0 connectivity</li></ul></div>	
Technical Features	
Resolution	8 dots/mm (203 DPI)
Max. print speed	127 mm (5”)/second
Max. print width	54 mm (2.13”)
Max. print length	2,286 mm (90”)
Overall Dimensions	W × H × D (mm) W × H × D (Inch)
	109 × 171 × 209 4.29” × 6.73” × 8.23”
Weight	1.2 kg (2.65 lbs)
Label roll capacity	127 mm (5”) OD
Memory	4 MB Flash memory   8 MB SDRAM   microSD card for flash memory expansion, up to 4 GB
Interface	RS-232   USB 2.0   Bluetooth (user option)
Accessories	Windows labelling software CD disk   USB cable   External universal switching power supply

## Regulations

### Company Standards and Legislation

EMC Directive 2014/30/EU

ISO 9001 Quality Management System

2006/42/EC Machinery Directive

2014/35/EU, Directive, Low Voltage Directive (LVD)

2012/19/EU WEEE and EU 2017/2102 Restriction of the use of certain hazardous substances (RoHS Directive)

### Product Standards

Pressure Vessel – PED 2014/68/EU

IEC 61010-1 Safety requirements for electrical equipment for measurement, control, and laboratory use –

Part 1: General requirements

IEC 61010-2-040: Safety requirements for electrical equipment for measurement, control, and laboratory use –

Part 2-040: Particular requirements for sterilizers and

washer-disinfectors used to treat medical materials

EN 61326-1: Electrical equipment for measurement, control and laboratory use – EMC requirements –

Part 1: General requirements

# TECHNICAL SPECIFICATIONS

## Specifications

Chamber Volume (Litres)	85
Weight (kg)	135
Chamber Dimensions Ø × D (mm)	400 × 700
External Dimensions W × H × D (mm)	644 × 980 × 660
Shipping Dimensions W × H × D (mm)	890 × 810 × 1240
Ratings	Voltage: 220-240 VAC Single Phase Power: 5400 W Amperage: 22.3 A
Wastewater tank	3 Litres
Cooling water tank	6 Litres



Your lab infection control success is backed by over 95 years of global leadership experience

Renowned global leaders in infection control solutions with more than

**95** years of experience

Products distributed to clinics, hospitals and research institutions in more than

**140** countries

Laboratory

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