

# Technical Data Sheet

Doc No – Ab/TDS/Eqpt -237

Rev No : 04 Date 02/2022-23

## TECHNICAL DATA SHEET

**Abdos Labtech Pvt. Ltd.**

**THERMO MIX -LCD Digital**

**Valid for Catalog No. E11340, E11341, E11342**

### 1. Description/Specification

#### 1.1 Description: THERMO MIX - LCD Digital.

1.1.1 ABDOS Thermo Mix Series allows for precise and efficient shaking and mixing as well as excellent temperature accuracy and uniformity, offering a wide range of applications, such as Gene Synthesis, Gene Purification, Gene Denaturation, Protein Denaturation, Enzymatic reaction, Bacterial growth and many more.

1.1.2 ABDOS Thermo Mix is equipped with quick interchange of blocks with magnet Adhesion technology and without any tools.

1.1.3 It is programmable and has three points calibration with precise temperature control for heating and cooling.

#### 1.2 Design: LCD Digital with transparent lid.

#### 1.3 Performance Specifications:

Specification	Code		
	E11340	E11341	E11342
Functions	Heating, Cooling & Mixing	Heating & Cooling	Heating & Mixing
Temperature range	Heating:25°~100°C Cooling : 25°~below15°C	Heating:25°~100°C Cooling : below25°C	Heating:25°~100°C
Temperature uniformity	Max ± 0.5°C	Max ± 0.5°C	Max ± 0.5°C
Temperature accuracy	± 0.5°C	± 0.5°C	± 0.5°C
Max heating rate	5.5°C/min	5.5°C/min	5.5°C/min
Max cooling rate	5°C/min (100°-25°C) 0.5°C/min (below25°C)	2.5°C/min (100°-25°C) 0.5°C/min (below25°C)	-
Mixing frequency	200 – 1500 rpm	NA	200 – 1500 rpm
Mixing Orbit	3mm	-	3mm
Program	6	9	6
Overheating Protection	150°C	150°C	150°C
Voltage	220 – 240V	220 – 240V	220 – 240V
Frequency	50/60Hz	50/60Hz	50/60Hz



Abdos Labtech Private Limited  
(A Division of Abdos Group)  
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<b>Power</b>	200W	200W	200W
<b>Dimension(WxDxH)</b>	200x235x120 mm	200x235x120 mm	200x235x120 mm
<b>Weight</b>	7.3kg	7.3kg	7.3kg

**E11340** – LCD Digital Thermo Mix with Heating, Cooling & Mixing with 1.5ml heating block

**E11341** – LCD Digital Thermo Mix with Heating & Cooling with 1.5ml heating block

**E11342** – LCD Digital Thermo Mix with Heating & Mixing with 1.5ml heating block

## Spare Accessories:

Code	Product	Places
<b>E11343</b>	Heating Block for 0.2 ml/96 well PCR plate	96
<b>E11344</b>	Heating Block for 96/384 well micro plate	96/384
<b>E11345</b>	Heating Block for 0.5ml	24
<b>E11346</b>	Heating Block for 1.5 ml	24
<b>E11347</b>	Heating Block for 2.0 ml	24
<b>E11348</b>	Heating Block for 5.0ml	8
<b>E11349</b>	Heating Block for 15ml	8
<b>E11350</b>	Heating Block for 50ml	4

**1.4 Material:** Body – ABS Material

**1.5 Color:** Black & White

### 1.6. Basic features:

1.6.1 **Material:** Made up of highly pure Virgin ABS (Acrylonitrile Butadiene Styrene)

1.6.2 CE certified

1.6.3 **Chemical resistance:** see website ([www.abdoslifesciences.com](http://www.abdoslifesciences.com))

**Warranty:** 12 months from the date of Installation or 15 months from the date of Invoicing

## Instruction for Use

Storage temp. Max 30°C

Before using the product check crackness, etc.

Check all the information printed on pouches or boxes.



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## WARNING

**DO NOT** store strong oxidizing agents.

**DO NOT** place any plastic labware in a flame.

**DO NOT** mix any chemicals that may result in a thermic reaction, which can cause product failure

Consult local fire codes prior to storage of flammable liquids.



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