

TECHNICAL DATA SHEET

Doc No – Ab/TDS/Eqpt-227
Rev No: 07 Date- 05/2024-25

Abdos Labtech Pvt. Ltd. SWIRLTOP – 7inch LED Digital Magnetic Stirrer & Hot Plate

Valid for Catalog No. E11650, E11652, E11651, E11653

SRN (Single Registration Number): IN-MF-000022272

1. Description/Specification

1.1 Description: SWIRLTOP – 7inch LED Digital Magnetic Stirrer & Hot Plate

1.1.1 LED display for precise monitoring of speed and temperature for Magnetic stirrer & Hot plate.

1.1.2 Built in PID Controller ensures the safe heating of the medium with overheating and protection. Max heating plate temperature 550°C.

1.1.3 Glass ceramic work plate provides excellent chemical resistant performance and efficient heat transfer.

1.1.4 External temperature control is possible by connecting the temperature sensor (PT 1000) with an accuracy at $\pm 0.2^{\circ}\text{C}$.

1.1.5 Digital speed control. Maximum Speed at 1500rpm. Outstanding brushless DC motor performance enables more stirring power.

1.1.6 Two rotating knobs enable the easy and direct change of speed and temperature.

1.1.7 HOT WARNING will flash when the work plate temperature is above 50°C or even the hot plate is turned off.

1.1.8 Remote Function provides PC Control and data transmission via RS232 using 3rd Party Software.

1.2 Design: SWIRLTOP – 7inch LED Digital Magnetic Stirrer & Hot Plate

1.3 Performance Specifications:

Specifications	E11650 & E11652	E11651 & E11653
Voltage	220-240V	220-240V
Frequency	50-60Hz	50-60Hz

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Over Heating Protection	580°C	580°C
Speed Range	100-1500 rpm	100-1500 rpm
Overload Protection	LED Lights, motor automatically stops	LED Lights, motor automatically stops
Motor Protection	LED Lights, motor automatically stops	LED Lights, motor automatically stops
Temp. Display	LED	LED
Speed Display	NA	NA
Max. Stirrer Quantity	20L	NA
Max. Magnetic bar length	80mm	NA
Work Plate Material	Glass Ceramic	Glass Ceramic
Dimension	83x220x186 mm	83x220x186 mm
Permissible ambient Temperature	5 - 40°C	5 - 40°C
Permissible ambient	80%	80%
Protection class according	IP21	IP21

Code	Product	Workplace size (cm)
E11650	LED DIGITAL Magnetic Stirrer & Hotplate with support Rod (E11654) & External Temperature Probe (E11233)	18.4x18.4

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E11651	LED DIGITAL Hotplate with support Rod (E11654) & External Temperature Probe (E11233)	18.4x18.4
E11652	Magnetic Stirrer & Hot Plate	18.4x18.4
E11653	Hot Plate	18.4x18.4

Spare Accessories:

Code	Product
E11654	SP-Support rod 7inch
E11233	External temp. probe

1.4 Material: Body – ABS Material

1.5 Color: Grey

1.6. Basic features:

1.6.1 Two rotating knobs enable the easy and direct change of speed & Temp.

1.6.2 Digital Speed Controlling.

1.6.3 Max. Heating plate temp. 550 °C

1.6.4 Remote function provides PC control and data transmission.

1.6.5 Material: Made up of highly pure Virgin ABS (Acrylonitrile Butadiene Styrene), Glass Ceramic.

1.6.6 CE certified

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1.6.7 Chemical resistance: see website (www.abdoslifesciences.com)

1.7 Intended use: Widely used in scientific studies of molecular biology, clinical chemistry, biochemistry and any type of scientific laboratory.

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, pouch punctured etc.

Check all the information printed on pouches or boxes.

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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