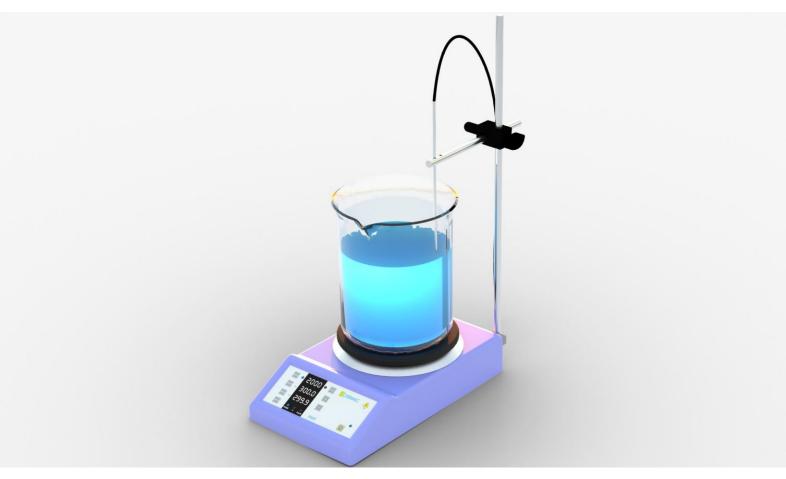# Hstir 350D

Digital Heating Magnetic Stirrer

Hstir 350D

/// Digital Heating Magnetic Stirrer

The Hstir 350D provides accurate temperature control, enhanced stirring and heating capabilities, improved safety features, and user-friendly operation. Its stainless-steel composite round plate is exceptionally durable and perfect for laboratories that need a generous working surface.

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Subject to technical changes

Essential Product Features

🌡️ Precision Temperature Control

Adjustable temperature range from **10°C to 350°C**
Safety temperature range up to **50°C – 370°C**
Exceptional temperature accuracy of **±0.5°C**
Dual digital display for Set and Actual temperature readings
Equipped with a **PT1000 temperature probe** for reliable sensing

⚙️ Powerful & Efficient Motor System

High-performance **BLDC motor** for long-lasting operation
Variable speed range from **100 to 2500 rpm**
Outstanding speed accuracy of **±20 rpm**

⏱️ Smart Timing Function

Fully adjustable timer from **1 minute to 99 hours 59 minutes**
Continuous timer mode available for extended applications

🧪 High-Capacity Design

Supports up to **20 liters** of mixing volume
Designed for consistent performance in demanding laboratory conditions

🧰 Advanced Function Menu

Pulse Mode with clockwise (CW) & counter-clockwise (CCW) direction control
Bar Detached Detection ensures safety and reliability
Selectable **temperature unit** (°C / °F)
Auto-Recover Mode resumes operation after power loss
Beep Mute Option for silent operation

🔓 Safety & Convenience

Keypad locking prevents accidental operation
Independent **Heater** and **Stirrer** functions
Built to **IP21 protection class** standards

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Technical Specifications

Number of stirring positions	1
Stirring quantity max. per stirring position (H2O) [l]	20
Maximum load [kg]	25
Motor rating output [W]	9
Direction of rotation	Clockwise & Counter Clockwise
Speed range [rpm]	100 - 2500
Setting accuracy speed [rpm]	20
Speed setting resolution [rpm]	10
Stirring bar length [mm]	20 - 80
Heat output [W]	600
Temperature unit	°C / °F
Heating temperature range [°C]	Room temp. - 350
Temperature setting range [°C]	10 - 350
Temperature setting resolution of heating plate [°C]	1
Connection for ext. temperature sensor	PT1000
Temperature medium max. [°C]	270
Temperature setting resolution of medium [°C]	1
Adjustable safety circuit [°C]	50 - 370
Heat control accuracy of heating plate (at 100°C) [°C]	±5
Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,25mm stirring bar, 600rpm,50°C) [°C]	±0.5
Set-up plate material	SS 304, Round Plate
Set-up plate dimensions [mm]	Ø 140
Timer	Yes
Timer range	1 minute to 99 hours 59 minutes & Continuous
Automatic reverse direction - Pulse mode	Yes
Stirring bar detached detection	Yes
Auto Recover Mode	Yes
Sensor not in medium detection	Yes
Keypad locking	Yes
Dimensions (W x H x D) [mm]	160 x 80 x 280
Weight [kg]	2.65
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	Yes (OEM only)
Voltage [V]	220 - 240
Frequency [Hz]	50/60
Power input [W]	610

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