

# TP-350E/350E+/350+ Digital Magnetic Stirrer Hot Plate Series

## Magnetic Series

### Introduction

The heating plate of the Digital Magnetic Stirrer Hot Plate Series is made of special Ceramic. Magnetic stirring technology and humanized design is convenient for operation to meet various heating and stirring experimental needs.

### Feature

1. PID for temperature control. Two display windows. High precision measurement. Low overshoot( $\leq \pm 5^{\circ}\text{C}$ ). Single button operation.
2. Inner and outer PT1000 for thermometry. Silicon controlled for output. With couple broken protection function.
3. Stirring types are available for heating or stirring standard/non-standard reaction flasks from 50ml to 20L
4. DC brushless motor makes stable operation, low noise, long using life and no spark.
5. Using specially made ceramic disc heating surface, beauty, anti-corrosion and easy to clean.
6.  $30^{\circ}$  slope control panel, suitable for seated and standing point of view.
7. Adopt aluminum alloy shell, high strength, quick heat dissipation, anti - corrosion.
8. Unique heating method, the surface maximum temperature can reach  $340^{\circ}\text{C}$ .
9. Magnetic stirring technology, low speed steady, high speed strong.
10. TP-350+ , 10 programs can be preset.
11. TP-350+ Adopts 4.3-inch color screen holographic display, which is convenient and intuitive.



TP-350E

TP-350E+

TP-350+

### Parameters

Model	TP-350E	TP-350E+	TP-350+
Platform size	$\Phi 137\text{mm}$	$\Phi 137\text{mm}$	$\Phi 137\text{mm}$
Platform Material	Enamel	Enamel	Enamel
Speed Range	0~1800rpm	200~1200rpm	80~1800rpm
Temp. Range	R.T. $+5^{\circ}\text{C}$ ~ $340^{\circ}\text{C}$	R.T. $+5^{\circ}\text{C}$ ~ $340^{\circ}\text{C}$	R.T. $+5^{\circ}\text{C}$ ~ $340^{\circ}\text{C}$
Temp. setting range	$30^{\circ}\text{C}$ ~ $340^{\circ}\text{C}$	$30^{\circ}\text{C}$ ~ $340^{\circ}\text{C}$	$30^{\circ}\text{C}$ ~ $340^{\circ}\text{C}$
Temp. stability	$\pm 3^{\circ}\text{C}$	$\pm 3^{\circ}\text{C}$	$\pm 3^{\circ}\text{C}$
Time Range	/	0~99h59min	1min~99h59min
Stirring Point Quantity	1	1	1
Max. Stir Capacity	20L	20L	20L
Max. Size of Stirrer Stick	80mm	80mm	80mm
External Interface Temp. Sensor	/	PT1000	PT1000
Adjustable Safety Loop Min. Temp	$50^{\circ}\text{C}$	$50^{\circ}\text{C}$	$50^{\circ}\text{C}$
Adjustable Safety Loop Max. Temp	$350^{\circ}\text{C}$	$350^{\circ}\text{C}$	$350^{\circ}\text{C}$
Voltage	AC 220V/AC 110V, 50/60Hz	AC220V, 50/60Hz	AC 220V/AC 110V, 50/60Hz
Power	600W	600W	600W
Fuse	250V, 4A/8A, $\Phi 5 \times 20$	250V, 4A/8A, $\Phi 5 \times 20$	250V, 4A/8A, $\Phi 5 \times 20$
Dimension (W.D.H)	W.156 x D.270 x H.90mm	W. 160x D.270 x H.90mm	W.160 x D.270 x H.90mm
Net weight	2.6kgs	2.3kgs	2.4kgs