

TT-DMS-16/ TT-DMSH-350S CycloneSpin Digital Magnetic Stirrer

HIGHLIGHTS

- Control panel with 30° slope, easy-to-read LED display and convenient control knob for quick and precise time and speed setting
- Intuitive holographic colour display (TT-DMSH-350S)
- Able to stir up to 20L of solutions or media
- Ergonomic design, small footprint and lightweight
- Brushless DC motor offers quiet operation and prevent any undesirable heat

Low Profile Magnetic Stirrer with Mighty Performance

CycloneSpin Digital Magnetic Stirrer Series are compact benchtop magnetic stirrers ergonomically designed for routine stirring applications of solution, media or buffer preparation in various types of laboratories. These affordable digital magnetic stirrers are robust and reliable, designed based on precision, control and operational simplicity to ensure success of your work.

TT-DMSH-350S is a digital magnetic stirrer with hotplate function. It is equipped with PID for precise temperature control and chemical resistant ceramic working surface for rapid heating. Optional external temperature sensor is available for temperature monitoring and detachable stand for various sensor probes (temperature, pH and others).

TT-DMS-16 is equipped with 30° slope, easy-to-read LED display while the TT-DMSH-350S comes with intuitive holographic display with convenient control knob for quick and precise time and speed setting. Variable speed is available for different models which renders low speed to powerful mixing capability. The stirring begins slow to avoid splashing followed by a smooth and steady speed increase.



TT-DMSH-350S



TT-DMS-16

APPLICATIONS

- Routine mixing of chemical or biological components (media, buffer, solutions)
- Dissolving nutrients and solids
- Preventing suspended matter from settling during titration
- PH-metering, extraction and dialysing with the small quantities of substances
- Suitable for chemistry, biochemistry, molecular biology, microbiology, pharmaceutical, medical laboratories

EACH STANDARD SET INCLUDES

One magnetic stir bar (Ø8 x 46 mm)

TECHNICAL DATA

Specifications	TT-DMS-16 CycloneSpin Digital Magnetic Stirrer	TT-DMSH-350S CycloneSpin Digital Magnetic Stirrer
Speed control range	200 - 1600 rpm	80 - 1800 rpm
Temp. control range (surface)	-	R.T. +5°C - 340°C
Temp. setting range (surface)	-	30 - 340°C
Temperature stability	-	±3°C
Safety light indicator (temp. range)	-	50 - 340°C
Digital time setting	1 min - 99h 59min	Continuous
Display	LED	Holographic display
Working surface diameter	137 mm	137 mm
Working surface	Stainless steel with silicone pad	Ceramic
Stirring point quantity	1 point	1 point
Stirring capacity range (H ₂ O)	50 ml - 20L	50 ml - 20L
Max. stirring capacity (H ₂ O)	20L	20L
Max. length of stir bar	80 mm	80 mm
Magnetic stir bar is supplied as standard	Ø8 x 46 mm, 1ea	Ø8 x 46 mm, 1ea
External temp. sensor	-	Yes (PT1000)
Motor type	Brushless DC motor	Brushless DC motor
Voltage	AC100V-240V, 50/ 60Hz	AC110V/ AC 220V, 50/ 60 Hz
Power	20W	600W
Fuse	250V, 1A, Ø5x20	250V, 4A/8A, Ø5x20
Dimension (WxDxH)	160 x 270 x 70 mm	156 x 270 x 70 mm
Net weight	1.88 kg	2.6 kg
Permissible ambient temp.	5°C - 40°C	5°C - 40°C
Permissible relative humidity	≤70%	≤70%

ORDERING INFORMATION

Cat. No.	Digital Magnetic Stirrer
TT-DMS-16	CycloneSpin Digital Magnetic Stirrer TT-DMS-16, 200-1600rpm, 137mm plate diameter, AC100-240V
TT-DMSH-350S-110V	CycloneSpin Digital Magnetic Stirrer Hotplate TT-DMSH-350S, 80-1800rpm, 137mm plate diameter, AC 110V
TT-DMSH-350S-220V	CycloneSpin Digital Magnetic Stirrer Hotplate TT-DMSH-350S, 80-1800rpm, 137mm plate diameter, AC 220V

Cat. No.	Accessories
TT-DMSH-TP	Support rod and temperature probe for TT-DMSH-350S