PHOENIX Instrument
Lab Solutions

Overhead Stirrer RSO-20/40 (analog and digital)



RSO-40D

RSO-20/40A

- digital speed readout
- stepless speed adjustment
- sturdy construction
- very quiet operation
- safety circuit

RSO-20/40D

- digital stirrer with LCD-display
- microprocessor-controlled speed accuracy
- smooth start procedure
- selectable display of speed/torque
- RS 232 Interface

2 years warranty



RSO-20A

Technical Data	RSO-20A	RSO-40A	RSO-20D	RSO-40D
Max. stirring quantity (H_2O)	20 L	40 L	20 L	40 L
Speed	50 - 2,200 rpm, stepless			
Speed accuracy	-	-	±3	±3
Speed dispaly	LED	LED	LCD	LCD
Max. viskosity	10,000 mPas	50,000 mPas	10,000 mPas	50,000 mPas
Max. torque	30 Ncm	60 Ncm	30 Ncm	60 Ncm
ø Chuck range	0.5 - 10 mm			
Push trough shaft	yes			
Fastening on stand	Extension 16 mm			
Torque dispaly	no		yes	
Dimension	82 x 220 x 186 mm			
Weight	2.5 kg	3.5 kg	2.5 kg	3.5 kg
Protection class	IP 42			
Motor rating input	70 W	130 W	70 W	130 W
Motor rating output	50 W	100 W	50 W	100 W
Voltage • Frequency	200 - 240 VAC • 50/60 Hz			

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Digital Overhead Stirrer RSO-300D and RSO-500D

The newly developed Overhead Stirrer RSO-300D and RSO-500D feature an attractive design, enhanced performance and a competitive price, making them an excellent choice for various laboratory applications. The LCD screen displays real-time parameters such as speed, torque, time and temperature.

It is widely used in various fields such as chemical synthesis, materials science, food processing, petrochemicals, etc, and is the best choice for laboratories and research institutions. The new instruments includes a timer function and a connection for an external temperature sensor.

RSO-300D / RSO-500D

- Sturdy construction, quiet operation
- Timer function
- Connector for external Temperature sensor
- Safety lock to prevent accidental change of operation
- Constant speed, automatically adjusted
- Can be switched forward and reverse

2 years warranty



RSO-300D



RSO-500D

Technical Data	RSO-300D	RSO-500D
Max. stirring quantity (H_2O)	30 L	50 L
Speed	50 - 2,200 rpm	
Time setting range	0 - 99 h 59 min	
Max. torque	40 Ncm	60 Ncm
Max. viscosity	10,000 mPas	50,000 mPas
Display	LCD	
Motortype	Brushless DC-motor	
Rotation	forward, reverse	
Chuck clamp range diameter	0,5 - 10 mm	
Data interface	RS 485, Type C, USB	
Voltage • Frequency	100 - 240 VAC • 50/60 Hz	
Power	70 W	130 W
Ambient conditions	5 - 40 °C, 80 % RH	
Protection class	IP 42	

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Overhead Stirrer - Accessories

RSO-E 07	Plate stand
RSO-E 08	Sturdy H-Stand
RSO-E 10	Propeller stirrer with 4 blades, stirrer diameter 50 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 11	Paddle stirrer, stirrer diameter 70 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 12	Propeller stirrer with a flexible blade, stirrer diameter 60 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 13	Centrifugal stirrer, stirrer diameter 90 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 20	Propeller stirrer PTFE-coated with 4 blades, stirrer diameter 65 mm, shaft diameter 6 mm, length 350 mm
RSO-E 21	Propeller stirrer PTFE-coated with 2 blades, stirrer diameter 70 mm, shaft diameter 6 mm, length 350 mm
RSO-E 22	Paddle stirrer PTFE-coated, stirrer diameter 70 mm, shaft diameter 6 mm, length 350 mm
RSO-E 23	Centrifugal stirrer PTFE-coated, stirrer diameter 90 mm, shaft diameter 6 mm, length 350 mm
RSO-E 30	Strap clamp for vessels up to 200 mm, incl. Boss head clamp
RSO-E 31	Cross Sleeve
RSO-E 32	Dissolver stirrer, stirrer diameter 100 mm, shaft diameter 8 mm, shaft length 600 mm
RSO-E 33	Anchor stirrer, stirrer diameter 60 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 34	Anchor stirrer large, stirrer diameter 100 mm, shaft diameter 8 mm, shaft length 600 mm
RSO-E 35	Spiral stirrer, stirrer diameter 50 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 36	Paddle stirrer, large, stirrer diameter 100 mm, shaft diameter 8 mm, length diameter 600 mm



RSO-E07



RS0-E10



RS0-E11



RS0-E12



RS0-E13

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