



## MS Oven

### MS Hybridization Orbital / Reciprocal / Rocking Oven

*Innovative Life Sciences Tools*



## MS Orbital / Reciprocal / Rocking Oven

The MS New Oven Series is the advanced and newly renovated version of MS incubators. It comes with a fashionable front door design (or panel) and a user-friendly touch screen interface. With excellent temperature accuracy and uniformity, users are able to perform temperature-controlled mixing or reaction precisely. The units are all equipped with a built-in Rotisserie function with one of the three shaker motion: Orbital, Reciprocal, or Rocking. Unique Orbital shaker design exhibits both clockwise and counterclockwise motion. MS New Oven is ideal for nucleic acid hybridization and incubation such as Southern, Northern, and Western blot. Full accessories are also available upon request to meet different applications.



MO-AOR / MO-ARC

MO-ARK

### Features

- 3.5" large display
- Touch screen & graphical control interface
- Built-in rotisserie function for all modules
- Orbital (bi-direction) / reciprocal / rocking motion
- User temperature calibration
- Broad temperature control range
- Timer with alarm function
- Safety device while system malfunction
- Safety door switch device
- Full accessories available



Touch screen interface

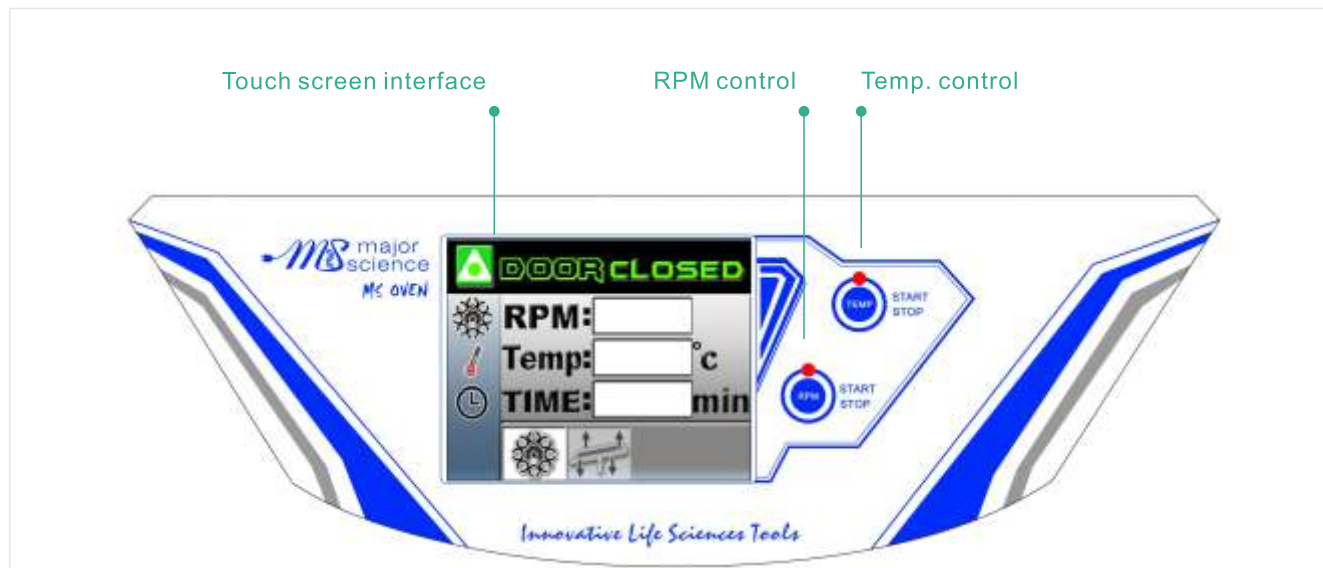


Graphical control interface



Safety door switch device

## Control Interface



## Specifications

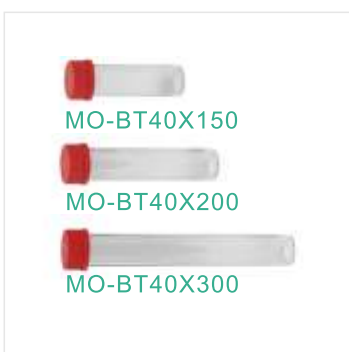
Cat. No.	MO-AOR	MO-ARC	MO-ARK
Display		3.5" 64K color TFT display	
Controller		32-bits Microprocessor	
Control Interface		Touch screen & Graphical interface	
Rotisserie Function		Yes	
Rotisserie Speed / Inc.		5 – 100 rpm / 1 rpm	
Timer		1 – 9999 min with alarm, continuous	
Shaker Motion	Orbital	Reciprocal	Rocking
	Clockwise / Counterclockwise		
Shaker Speed	0 – 200rpm	5 -100rpm	5 – 100rpm
Temperature Control Range		Ambient +5°C to 85°C	
Temperature Increment		0.1°C	
Temperature Uniformity at 37°C		±0.2°C	
Temperature Accuracy at 37°C		±0.2°C	
User Temperature Calibration		Yes	
Inner Chamber Dimension		340 x 225 x 260mm (W x L x H)	
Overall Dimension		442 x 462 x 452mm (W x L x H)	
Platform		270 x 200mm (W x D)	
Data Logging		RS-232	
Weight		Approx. 29kg	
Rated Voltage		110/220V~ 50/60Hz (selectable)	
Construction		Painted iron metal; ABS front door	
Safety Device		Safety door switch	
		Thermal safety switch	
		Auto shut off upon fan failure	
		Power failure auto recovery	

## Ordering Information

Cat. No.	Description
MO-AOR	MS Hybridization / Orbital Shaking Oven (without rotisserie), 110/220V
MO-ARC	MS Hybridization / Reciprocal Shaking Oven (without rotisserie), 110/220V
MO-ARK	MS Hybridization / Rocking Oven (without rotisserie & rocking shaker), 110/220V

## Optional Accessories

Cat. No.	Description
MO-HY-8RT	40mm tube rotisserie for 8 tubes
MO-HY-16RT	50ml conical tube rotisserie for 16 tubes
MO-HY-24RT	15ml conical tube rotisserie for 24 tubes
MO-SEESAW	Rocking shaker platform for MO-ARK
MO-P2720	Additional 27 x 20 cm platform for orbital, rocking, and reciprocal shaker (with 4 of attachable 10 cm pillars)
MO-FH-250	1 x 250ml flask holder
MO-FH-500	1 x 500ml flask holder
MO-FH-250-SET	5 x 250ml flask holder (only for MO-AOR / MO-ARC)
MO-FH-500-SET	4 x 500ml flask holder (only for MO-AOR / MO-ARC)
MO-BT40 x150	Glass bottle 40 x 150mm (diameter x length)
MO-BT40x200	Glass bottle 40 x 200mm (diameter x length)
MO-BT40x300	Glass bottle 40 x 300mm (diameter x length)





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