

LOM1-8043, LOM2-8043, LOM3-8043, Premium Stackable Shaking Incubators



LOM2-8043

Descriptions:

MRC now can offer new space-saving incubator shakers. This LOM – Series shaker (touch screen) can be stacked up to three units high, providing laboratory professionals tripled culture capacity, while still only occupying the same “footprint” of a single shaker. All models feature an insulated, fold-down door with double-layer glass window for high visibility. On all refrigerating models, microprocessor controller provides unmatched versatility by enable users to create personalized program (with up to 9 segments, with cycling) to automate changes to function parameters.

Features:

- 5.6'' LCD 640x480 touch screen panel clearly indicates all parameters in one page display.
- Fold-down door with door handle, and dedicated sliding shaking platform provide convenient access to your experiment products. Moreover, the top of the casing can be further used as a work area for locating small items of lab equipment etc.
- The incubator casing is made of heavy-gauge cold-rolled steel; together with high graded #304 stainless steel inner chambers with cover corners make it easy to clean with mild detergent.
- The unit can be upgraded with CO₂ and humidity control, with heated window glass to prevent condensation, perfect for cell culture.
- Heavy-duty, eccentric drive mechanism allows extended speed ranges from 30 to 300 rpm, ±1 rpm with minimized vibration, even when shakers are stacked of three high.
- Robust brushless AC motor enables and smooth quiet shaking motion, even when unit is operating at top speed with maximum workload.
- Non-volatile memory saves settings during power outage & automatically restarts the unit after power is restored.
- Audible and visual alarms alert user of setpoint deviations. Audible alarm may be muted.
- Heater shuts off when high-temperature limit is exceeded.
- Shaker stops when excess vibration is detected or when door is opened.
- Interior chamber light for clear observation.
- Pre drilled platform as standard configuration, flask clamps excluded.
- Please contact MRC for more information about humidity and CO₂ control options.

Model	LOM1-8043	LOM2-8043	LOM3-8043
Control	P.I.D Microprocessor		
Control Mode	Fix Value or Program (up to 9 Segments)		
Control Panel	LCD Touch Screen		
Air Convection	Forced		
Shaking Mode	Orbit		
Volume/ Compartment (L)	190		150
Working Temperature (°C)	10-35		
Shaking speed (rpm)	30-300		
Stroke (mm)	1-50 Stepless Adjustable		
Temperature Range (°C)	4-60		
Temperature Accuracy (°C)	0.1		
Temperature Uniformity (°C)	±1°C@37°C		
Timer	1 to 9999 mins		
Tray (mm) (WxD)	800x430		
No. Of Tray	1	2	3
Inner Dimensions	920Wx532Dx395H mm		920Wx532Dx305H mm
Exterior Dimensions	1300Wx950Dx900H mm	1300Wx950Dx1310H mm	1300Wx950Dx1890H mm
Packing Dimensions	1420Wx1070Dx1040H mm	1420Wx1070Dx1480H mm	1420Wx1070Dx2060H mm
Net/Gross Weight	200/240 kg	390/440 kg	580/650 kg
Power (W)	1200	2400	3600
Electricity	220/240Volt 50/60 HZ		
Approval	CE, ISO		
Security	Over-temperature Protection, Compressor Overload Protection, Electrical Leakage Protection, CO ₂ Concentration Deviation Alarm.		
Additional	Built-in Printer, RS-232 interface		

Glass dimensions may reduce max. capacity:

Model	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml
LOM1-8043	50	50	32	26	20	14	8
LOM2-8043	100	100	64	52	40	28	16
LOM3-8043	150	150	96	78	60	42	-