

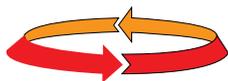
**TOU-50**



**Flask Holders**

- Min. noise & no vibration, maximum load 20kg
- Automatic stop of shaking, when the door is opened
- Accommodate flasks up to 2000ml
- Auto restart after power failure.

**Optional: Universal spring tray**



**Tube holders**

**Universal spring tray for various sizes of flasks**



**LOM-65/TOU-50/TOU-120, Orbital Shaking Incubator, BenchTop**

**Applications**

- Areas of application: cultivation of cell & tissue cultures or micro organisms, molecular biology, cell and insect culture, and entomology studies.
- Production of secondary natural substances and biogenetic pharmaceuticals etc.

**Features:**

- Space saving with transparent window in the front which provide good visibility that minimize the need to open the chamber, automatic cutout of shaker when lid is open to protect operator.
- Platform 300 x 400 mm or 450 x 450mm accept flasks up to 2 Liter, test tubes racks and gel trays.
- Shakers feature a triple eccentric drive that handles heavy workloads, provides uniform agitation, smooth quiet enables continuous 24-hour operation even at high speeds.
- Precisely monitor and control chamber temperature over complete range with  $\pm 0.1^{\circ}\text{C}$  accuracy at  $37^{\circ}\text{C}$  with PID temperature controller
- AC brushless motor & precise speed control from 25 to 250rpm or 40 to 400rpm, controlled by a digital controller
- Speed programmability: Continuous or multi-step RPM programmability in which a timed run consisting of a sequence of up to 9 timed steps, each at a set speed & direction of rotation. Each timed run can be repeated up to 999 times.



**LOM-65 - Front opening with one standing shelf**

Model	TOU-50	TOU-120	LOM-65
Type	Flip-up door		Front door
Temp. range	Ambient + $4^{\circ}\text{C}$ ~ $70^{\circ}\text{C}$		
Temp. Accuracy/Uniformity	$\pm 0.1^{\circ}\text{C}$ / $\pm 0.5^{\circ}\text{C}$ at $37^{\circ}\text{C}$		
Speed/Temp. control	PID		
Temp. Display	LED		
Speed programmer	20~250 rpm (optional 40~400 rpm), 9 steps of speed & direction of rotation		
Shaking Orbit	25 mm		
Timer	1 minute to 99 hours & 99 minutes or continuous operation		
Volume	66L	102L	65L
Shelve	N/A	N/A	1
Shaking Plate Size (mm)	400x300	450x450	400x300
Inside dimensions (mm)	W455xD390xH380	W500xD540xH380	W450xD390xH370
Outside dimensions (mm)	W460xD510xH540	W510xD650xH540	W520xD550xH610
Weight (Approx.)	30Kg	40Kg	50Kg

**Capacity of flask holders**

Model	111-1-110050	111-1-110125	111-1-110250	111-1-110500	111-1-111000	111-1-112000
Flask clamps	50ml	125ml	250ml	500ml	1000ml	2000ml
TOU-50	35	20	12	6	4	2
TOU-120	64	36	25	16	9	5
LOM-65	35	20	12	6	4	2