

# Open-Air Shakers



<b>Model</b>	<b>Innova® 2000</b>	<b>Innova® 2050</b>	<b>Innova® 2100</b>
<b>Dimensions (W × D × H)</b>	35.5 × 37.0 × 14.6 cm (14.0 × 14.5 × 5.8 in)	43.0 × 37.0 × 14.6 cm (17.0 × 14.5 × 5.8 in)	48.0 × 55.5 × 16.3 cm (19.0 × 21.9 × 6.4 in)
<b>Weight w/o accessories</b>	15 kg (33 lb)	16 kg (35 lb)	34 kg (75 lb)
<b>Audible and visual alarms</b>	yes	yes	yes
<b>Drive mechanism</b>	Triple-eccentric counterbalanced drive	Triple-eccentric counterbalanced drive	Triple-eccentric counterbalanced drive
<b>Placement/orientation</b>	> Benchtop	> Benchtop	> Benchtop
<b>Motor type</b>	Solid state, DC brushless motor	Solid state, DC brushless motor	Solid state, DC brushless motor
<b>Orbit</b>	1.9 cm (0.75 in)	1.9 cm (0.75 in)	1.9 cm (0.75 in)
<b>Platform size</b>	33 × 28 cm (13 × 11 in)	41 × 31 cm (16 × 12 in)	46 × 46 cm (18 × 18 in)
<b>Speed range</b>	25 – 500 rpm	25 – 500 rpm	25 – 500 rpm
<b>Speed control</b>	±1 rpm	±1 rpm	±1 rpm
<b>Timer</b>	0.1 – 99.9 h	0.1 – 99.9 h	0.1 – 99.9 h

## Universal Platform Clamp Capacities

10 mL Erlenmeyer flasks	60	86	109
25 mL Erlenmeyer flasks	20	32	64
50 mL Erlenmeyer flasks	15	32	45
125 mL Erlenmeyer flasks	11	16	21
250 mL Erlenmeyer flasks	6	10	18
500 mL Erlenmeyer flasks	4	8	14
1 L Erlenmeyer flasks	-	-	8
2 L Erlenmeyer flasks	-	-	5
2 L Lauber Thompson	-	-	5
2.8 L Fernbach flasks	-	-	4
3 L Erlenmeyer flasks	-	-	4
4 L Erlenmeyer flasks	-	-	4
5 L Erlenmeyer flasks	-	-	4
6 L Erlenmeyer flasks	-	-	2
Microplate rack (stack)	-	-	8
Microplate rack (layer)	-	-	2
Test tube rack, small	3	4	5
Test tube rack, medium	-	3	5
Test tube rack, large	-	-	4



**Innova® 2150**

60.1 × 59.1 × 16.3 cm  
(24.0 × 23.3 × 6.4 in)

36 kg (80 lb)

yes

Triple-eccentric  
counterbalanced drive

> Benchtop

Solid state, DC brushless motor

1.9 cm (0.75 in)

61 × 46 cm (24 × 18 in)

25 – 500 rpm

±1 rpm

0.1 – 99.9 h

**Innova® 2300**

76.2 × 56.6 × 16.3 cm  
(30.0 × 22.3 × 6.4 in)

48 kg (105 lb)

yes

Triple-eccentric  
counterbalanced drive

> Benchtop

Solid state, DC brushless motor

2.5 or 5.1 cm (1 or 2 in)

76 × 46 cm (30 × 18 in)

25 – 500 rpm

±1 rpm

0.1 – 99.9 h

**Innova® 2350**

91.4 × 61.0 × 16.3 cm  
(36.0 × 24.0 × 6.4 in)

52 kg (115 lb)

yes

Triple-eccentric  
counterbalanced drive

> Benchtop

Solid state, DC brushless motor

2.5 or 5.1 cm (1 or 2 in)

91 × 61 cm (36 × 24 in)

25 – 500 rpm

±1 rpm

0.1 – 99.9 h

-	183	-
-	92	-
63	92	-
35	39	75
24	30	50
20	18	30
12	12	24
6	8	15
6	6	12
5	6	12
5	6	11
5	6	11
4	6	8
3	4	7
16	16	16
4	4	4
9	9	9
9	9	9
7	7	7



#### Universal Platforms and Clamp Capacities for Incubator Shakers

	Innova® 40/40R	Innova® 42/42R	Innova® 43/43R	Innova® 44/44R	Innova® S44i
<b>Platform order no.</b>	M1250-9902	M1250-9902	M1250-9920	M1282-9904	S44i 040.001
<b>10 mL Erlenmeyer flasks</b>	109	109	183	187	238
<b>25 mL Erlenmeyer flasks</b>	64	64	92	93	238
<b>50 mL Erlenmeyer flasks</b>	45	45	92	91	130
<b>125 mL Erlenmeyer flasks</b>	21	21	39	39	81
<b>250 mL Erlenmeyer flasks</b>	18	18	30	30	49
<b>500 mL Erlenmeyer flasks</b>	14	14	18	24	36
<b>1 L Erlenmeyer flasks</b>	8	8	12	14	20
<b>2 L Erlenmeyer flasks</b>	5	5	8	8	13
<b>2 L Lauber Thompson</b>	5	5	8	8	15
<b>2.8 L Fernbach flasks</b>	4	4	6	6	8
<b>3 L Erlenmeyer flasks</b>	4	4	6	6	8
<b>4 L Erlenmeyer flasks</b>	-	4	6	6	8
<b>5 L Erlenmeyer flasks</b>	-	4*	6*	6*	6
<b>6 L Erlenmeyer flasks</b>	-	2*	4*	-	-
<b>Microplate rack (stack)</b>	8	8	16	16	20
<b>Microplate rack (layer)</b>	2	2	4	4	4
<b>Test tube rack, small</b>	5	5	9	9	12
<b>Test tube rack, medium</b>	5	5	9	9	10
<b>Test tube rack, large</b>	4	4	7	7	8
<b>Platform size</b>	46 × 46 cm (18 × 18 in)	46 × 46 cm (18 × 18 in)	76 × 46 cm (30 × 18 in)	76 × 46 cm (30 × 18 in)	76 × 62 cm (30 × 24 in)

\*Max. flask size is 4 L with light bank or shelf installed