

Shakers

Mini Digital Orbital Shaker

Mix a variety of vessels, quietly

- Control speed from 50 to 300 rpm with a consistent, smooth orbital motion
- Position within incubators (non-CO₂), chambers, and refrigerators (up to 60°C)
- Use in continuous shaking or timer mode up to 99 hrs 59 min
- Customize unit for exact laboratory needs with a variety of accessories
- Unit must be ordered with platform, sold separately below

NEW

Orbit size	Power		Plug type	Catalog number	Price
	VAC	Hz			
½" (13 mm) dia	100 to 240	50/60	US	GY-04725-14	
			Assorted†	GY-04725-15	

†Model 04725-15 includes cord set with plugs for China, Europe, and UK.



Platforms (one required)

Description	Catalog number	Price
Universal attachment	GY-04725-76	
Universal platform	GY-04725-77	

Flask Clamps

Flask size	Max number per universal platform	Catalog number	Price
50 mL	16	GY-04725-78	
100 mL	9	GY-04725-79	
250 mL	9	GY-04725-80	
300 mL	9	GY-04725-81	
500 mL	5	GY-04725-82	
1 L	4	GY-04725-83	
2 L	1	GY-04725-84	

Specifications

Speed range: 50 to 300 rpm
Maximum Load: 8.8 lb (4 kg)
Timer: 1 min to 99 hr, 59 min or continuous
Platform dimensions: 9¹³/₁₆" x 9¹³/₁₆" (25 x 25 cm)

Variable-Speed Digital Orbital Shakers

Get accurate shaking even under heavy loads

- Ideal swivel motion with a maximum shaking weight of 4 lb (2 kg)
- See both speed and time settings on digital display
- Use with almost any type of vessel

Basic Model: Low-profile, quiet shaker offers long service life even under extreme load conditions. Features stepless speed adjustment from 80 to 800 rpm. Operate continuously or in time operating mode (up to 50 minutes). Audio signal sounds when shaker process is complete.

Control Model: Backlit LCD shows speed, time, and operating mode. Activate, deactivate, or set target speed or agitation time with rotary dial. Electronic time switching clock allows for both continuous operation and timed runs up to 9 hours, 59 minutes. End-point positioning feature allows automated robot-controlled sampling. Order platforms and attachments separately below.



Specifications

Speed range: 80 to 800 rpm (adjustable) **Maximum load:** 4.4 lb (2.0 kg)
Timer range:
 Basic model: 5 to 50 min or continuous **Platform dimensions (W x D):**
 Control model: 1 to 9 hr 59 min or continuous 9" x 9" (22.9 x 22.9 cm)

Orbit size	Power		Catalog number	Price
	VAC	Hz		
Basic model				
5/32" (4 mm)	115	50/60	GY-04303-02	
5/32" (4 mm)	230	50/60	GY-04303-00	
Control model				
5/32" (4 mm)	115	50/60	GY-04303-06	
5/32" (4 mm)	230	50/60	GY-04303-04	

Platforms (one required)

Description	Catalog number	Price
Universal attachment	GY-04303-50	
Fixing clip attachment	GY-04303-52	
Dish attachment	GY-04303-54	
Test tube support	GY-04303-56	

Flask Clamps

Flask size	Catalog number	Price
25 mL	GY-04303-58	
100 mL	GY-04303-60	
200 mL	GY-04303-62	

Basic model
04303-02Control model
04303-06

Cole-Parmer® Digital Slow-Speed Orbital Shakers

Don't pay more for the features you want

– Brushless motor ensures quiet, trouble-free operation

Improve repeatability of test procedures with microprocessor-based control. Digital display tracks preset timed run, continuous run, and rpm settings. Features skid-free rubber platform mat provides a nonslip surface. Continually adjustable speed lets you obtain gentle agitation or vigorous orbital motion. Slow start and stop motion decreases risk of spills.

What's included: 6-ft (1.8-m) cord with US standard plug.



Cole-Parmer®

Specifications

Speed range: 50 to 250 rpm **Timer range:** 0 to 99 hours
Maximum load: 5.5 lb (2.5 kg)

Orbit size	Power		Catalog number	Price
	VAC	Hz		
Shakers with 12"W x 12"D platform (30.5 x 30.5 cm)				
¾" (19 mm) dia	110 to 240	50	GY-51820-30	
Shakers with 16"W x 16"D platform (40.6 x 40.6 cm)				
¾" (19 mm) dia	110 to 240	50	GY-51820-40	
Shakers with 20"W x 20"D platform (50.8 x 50.8 cm)				
¾" (19 mm) dia	110 to 240	50	GY-51820-50	

Open Air Platform Shakers

Configure to your exact needs

– Will not vibrate even under full or unbalanced loads

Analog Shakers feature a DC motor and variable-speed control from 40 to 400 rpm, controlled by rotary dial. Integrated tachometer monitors and displays speed in rpm to guarantee an accurate setting. Operate shaker in continuous mode or set timer from 1 to 60 minutes.

Digital Shakers feature variable speed control from 15 to 500 rpm and continuous and timed runs from 0.1 to 999 hours. Eliminate splashing of vessel contents with soft-start feature. Displayed time counts up during continuous operation and counts down during timed runs. Shaker shuts down and audible/visual alarms signal if unit operates $\pm 10\%$ of set point speed. RS-232 interface allows remote monitoring of speed and time. Order platforms and clamps separately.

What's included: 120 VAC models have an 8-ft cord with US standard plug; 240 VAC models have an 8-ft (2.4-m) cord with European plug.



Specifications

Speed range
 Analog shakers: 40 to 400 rpm
 Digital shakers: 15 to 500 rpm with ± 1 rpm accuracy

Maximum load
 Small shakers: 35 lb (15.9 kg)
 Large shakers: 50 lb (22.7 kg)

Orbit size	Power		Catalog number	Price
	VAC	Hz		
Analog shakers, small				
¾" (19 mm) dia	120	50/60	GY-51706-00	
	240	50/60	GY-51706-05	
Analog shakers, large				
1" (25 mm) dia	120	50/60	GY-51706-10	
	240	50/60	GY-51706-15	
Digital shakers, small				
¾" (19 mm) dia	120	50/60	GY-51706-20	
	240	50/60	GY-51706-25	



Shaker 51706-20 with platform 51706-50 and flask clamps 51706-84

Universal Platforms

Size	Catalog number	Price
For small shakers		
11" x 13" (27.9 x 33.0 cm)	GY-51706-50	
18" x 18" (45.7 x 45.7 cm)	GY-51706-52	
18" x 24" (45.7 x 61.0 cm)	GY-51706-54	
For large shakers		
36" x 24" (91.4 x 61.0 cm)	GY-51706-62	

Clamps for Universal Platforms

Flask size	Maximum number of clamps per platform size					Catalog number	Price
	11" x 13" (27.9 x 33.0 cm)	18" x 18" (45.7 x 45.7 cm)	18" x 24" (45.7 x 61.0 cm)	30" x 18" (76.2 x 45.7 cm)	36" x 24" (91.4 x 61.0 cm)		
For microplate/deep-well plates							
—	5	10	15	18	29	GY-51706-70	
For Erlenmeyer flasks							
10 mL	60	113	157	112	160	GY-51706-72	
25 mL	60	64	80	112	160	GY-51706-74	
50 mL	30	32	40	112	160	GY-51706-76	
125 mL	13	32	40	44	80	GY-51706-78	
250 mL	9	16	23	24	40	GY-51706-80	
500 mL	6	16	20	18	40	GY-51706-84	
1 L	4	9	10	12	21	GY-51706-86	
2 L	1	6	5	6	11	GY-51706-88	

Shakers

Dual-Action Shakers

Program and walk away—no need to monitor

- Select between orbital or reciprocating motion
- Eliminate inadvertent changes—features keyboard lock
- Minimize sample damage and wear with slow start/stop feature
- Easy-to-use programmable keypad identifies errors

Shaker always stops at same position allowing for semi-automated sampling or dosing. Opto-electric feedback calculates motor output with weight load to avoid speed variations and drive motor self-checks rpm to ensure set values are maintained. Brushless DC motor gives long maintenance-free operation. Order universal platform separately below. Compatible test tube racks and clamps sold below.

What's included: 6-ft (1.8-m) cord with plug.



Specifications

Speed range: 10 to 300 rpm

Timer range: run time (999 hr 59 min), pause (1 to 99 min), forward and backward (10 sec to 9 min 50 sec)

Max load	Orbit size; recip stroke length	Platform dimensions	Power		Catalog number	Price
			VAC	Hz		
22 lb (10 kg)	¾" to 1½" dia; ¾" to 1½"	14" x 14" (35.6 x 35.6 cm)	120	60	GY-86578-20	
			240	50/60	GY-86578-21	
33 lb (15 kg)	¾" to 1½" dia; ¾" to 1½"	18" x 18" (45.7 x 45.7 cm)	120	60	GY-86578-22	
			240	50/60	GY-86578-23	
55 lb (25 kg)	1¼" to 2¾" dia; 1¼" to 2¾"	30" x 18" (76.2 x 35.6 cm)	120	60	GY-86578-24	
			240	50/60	GY-86578-25	



Accessories

[GY-86578-30](#) Universal platform, 14" x 14"

[GY-86578-31](#) Universal platform, 18" x 18"

[GY-86578-32](#) Universal platform, 30" x 18"

[GY-86578-33](#) Spring wire rack, 14" x 14"

[GY-86578-34](#) Spring wire rack, 18" x 18"

[GY-79510-91](#) Spring wire rack, 30" x 18"

[GY-86578-36](#) Rubber mat, 14" x 14"

[GY-86578-37](#) Rubber mat, 18" x 18"

[GY-86578-38](#) Rubber mat, 30" x 18"

Digital Incubating/Refrigerating Shakers

Orbital / reciprocating motions in one unit

- Variable 10 to 300 rpm speed control via the user-friendly keypad with push-button controls
- Fan circulation ensures excellent temperature uniformity

The air spring door and lid guard against sudden closures. Self-diagnostic function identifies any errors and advises correction procedures. Slow start/stop feature minimizes wear and sample damage. Rugged construction permits heavier loads.

A wide range of accessories are available below. Universal platform is a predrilled tray which accepts flask, funnel, and rack clamps.

What's included: power cord. Floor models available; call your local representative.

Specifications

Orbit size: 1.2"

Shaking speed: 10 to 300 rpm (± 1 rpm accuracy)

Temperature accuracy: $\pm 0.1^\circ\text{C}$ at 38°C

Temperature uniformity at 38°C : $\pm 0.5^\circ\text{C}$

Timer: 1 minute to 99 hours 59 minutes

Construction: stainless steel interior, powder coating steel exterior, anodized duralumin platform



79510-30

Universal Platforms

Description	Catalog number	Price
For model A	GY-79510-40	
For model B	GY-79510-56	

Clamps for Flat-Bottomed Erlenmeyer Flasks

Flask volume	Catalog number	Price
50 mL	GY-79510-94	
100 mL	GY-79510-96	
250 mL	GY-79510-98	
500 mL	GY-79511-00	
1000 mL	GY-79511-02	
2000 mL	GY-79511-04	

Test Tube Racks

Capacity	Catalog number	Price
86 holes, up to 8-mm dia	GY-79511-14	
86 holes, up to 10-mm dia	GY-79511-16	
58 holes, up to 12-mm dia	GY-79511-18	
58 holes, up to 14-mm dia	GY-79511-20	
32 holes, up to 16-mm dia	GY-79511-22	
19 holes, up to 25-mm dia	GY-79511-24	

Type	Capacity	Temperature range	Dimensions (W x H x D)		Power (VAC, Hz)	Catalog number	Price
			Chamber	Platform			
Benchtop models with 22-lb (10-kg) maximum load and 14-gallon (53-L) chamber volume							
Heated	4 x 1-L flask, 2 x 2-L flask	5°C above ambient to 60°C	16" x 12½" x 16" (41 x 32 x 41 cm)	13¾" x 13¾" (35 x 35 cm)	230, 60	GY-79510-29	
					230, 50	GY-79510-31	
Refrigerated		15° to 60°C			120, 50/60	GY-79510-32	
					230, 60	GY-79510-34	
	230, 50		GY-79510-36				
					120, 60	GY-79510-38	
Benchtop models with 33-lb (15-kg) maximum load and 22-gallon (83-L) chamber volume							
Heated	7 x 1-L flask, 5 x 2-L flask	5°C above ambient to 60°C	20" x 12½" x 20" (51 x 32 x 51 cm)	17¾" x 17¾" (45 x 45 cm)	230, 60	GY-79510-45	
					230, 50	GY-79510-47	
Refrigerated		15° to 60°C			120, 50/60	GY-79510-48	
					230, 60	GY-79510-50	
	230, 50		GY-79510-52				
					120, 60	GY-79510-54	

Benchtop Incubating Shakers

Control shaking speed accurately

- Small footprint requires minimal bench space
- Simultaneously view speed, time, and temperature on digital model

Analog shaker features a rotary dial with variable 40 to 400 rpm speed control. Tachometer monitors and displays speed in rpm. Unit can be set for timed studies from 1 to 60 minutes or operate continuously.

Digital shaker features variable 15 to 500 rpm speed control. Visual/audible signals alert operator to temperature deviations of $\pm 1^\circ\text{C}$ from set point. Unit will shut down and alert operator if rotation varies $\pm 10\%$ of set speed preventing shaker from walking. Soft start feature eliminates splashing of vessel contents and helps prevent sudden starts and stops.

What's included: 120 VAC models include an 8-ft (2.4-m) cord with US standard plug; 240 VAC models include an 8-ft (2.4-m) cord with European plug. Order universal platform 51706-50 separately below and clamps separately below.



Specifications



Orbit size: 0.75"
Temperature accuracy: $\pm 0.1^\circ\text{C}$
Temperature uniformity: $\pm 5^\circ\text{C}$
Timer
 Analog models: 1 to 60 minutes
 Digital models: 0.1 to 999 hours

Maximum load: 35 lb (15.9 kg)
Platform dimensions: 11" x 13"
 (order platform separately, holds up to four 1-L flasks)

Speed range (rpm)	Temperature range	Power		Catalog number	Price
		VAC	Hz		
Analog shaker					
40 to 400	5°C above ambient to 80°C	120	50/60	GY-51960-00	
		240	50/60	GY-51960-02	
Digital shaker					
15 to 500	5°C above ambient to 80°C	120	50/60	GY-51960-04	
		240	50/60	GY-51960-06	

[GY-51706-50](#) Universal platform, 11" x 13" (27.9 x 33 cm)

Benchtop Incubating/Refrigerating Shakers

Save bench space and money

- Combines a benchtop incubator/refrigerator with an orbital shaker
- Available in three temperature ranges

Shakers feature a triple eccentric drive that handles heavy workloads, provides uniform agitation, and enables continuous 24-hour operation. Also includes an overtemperature safety feature with independent thermostat and safety interlock that stops platform motion when lid is open.

Analog Shakers feature a DC motor and variable speed control from 40 to 400 rpm. Integrated tachometer monitors and displays speed in rpm.

Digital Shakers feature a solid-state DC brushless motor and variable speed control from 15 to 500 rpm. View speed, time, and temperature simultaneously on separate LED displays. Visual/audible signals alert you to temperature deviations; unit turns off if temperature deviates $\pm 1^\circ\text{C}$ from set point.

What's included: 120 VAC models include an 8-ft (2.4-m) cord with US standard plug; 240 VAC models include 8-ft (2.4-m) cord with European plug. Order platform and clamps separately at right.

Model	Speed range (rpm)	Temperature range	Power		Catalog number	Price
			VAC	Hz		
Analog shakers						
Heated	40 to 400	10°C above ambient to 60°C	120	50/60	GY-51707-00	
			240		GY-51707-05	
High temperature		10°C above ambient to 80°C	120	50/60	GY-51707-10	
			240		GY-51707-15	
Refrigerated		15°C below ambient to 60°C	120	50/60	GY-51707-20	
			240		GY-51707-25	
Digital shakers						
Heated	15 to 500 (±1 rpm accuracy)	10°C above ambient to 60°C	120	50/60	GY-51707-30	
			240		GY-51707-35	
High temperature		10°C above ambient to 80°C	120	50/60	GY-51707-40	
			240		GY-51707-45	
Refrigerated		15°C below ambient to 60°C	120	50/60	GY-51707-50	
			240		GY-51707-55	

[GY-51706-52](#) Universal platform, 18" x 18" (45.7 x 45.7 cm)

Digital shaker
 51707-30 with platform
 51706-52 and flask
 clamps 51706-88



Specifications

Orbit size: 0.75"
Temperature accuracy: $\pm 0.1^\circ\text{C}$
Temperature uniformity: $\pm 0.5^\circ\text{C}$
Timer
 Analog models: 1 to 60 minutes
 Digital models: 0.1 to 999 hours
Maximum load: 50 lb (22.7 kg) at 400 rpm
Platform dimensions (L x W): 18" x 18"
 (45.7 x 45.7 cm) (order separately below, left)



Clamps for Universal Platforms

Flask size	Maximum number of clamps per platform size					Catalog number	Price/ea
	11" x 13"	18" x 18"	18" x 24"	30" x 18"	36" x 24"		
For microplate/deep-well plates							
—	5	10	15	18	29	GY-51706-70	
For Erlenmeyer flasks							
10 mL	60	113	157	112	160	GY-51706-72	
25 mL	60	64	80	112	160	GY-51706-74	
50 mL	30	32	40	112	160	GY-51706-76	
125 mL	13	32	40	44	80	GY-51706-78	
250 mL	9	16	23	24	40	GY-51706-80	
500 mL	6	16	20	18	40	GY-51706-84	
1 L	4	9	10	12	21	GY-51706-86	
2 L	1	6	5	6	11	GY-51706-88	

Shakers

Cole-Parmer® Rocking Platform Shakers**Shake at the speed and angle you need**

- Designed to function in temperature controlled environments from 4 to 65°C and 85% humidity
- Platform rocks from 4 to 160 tilts per minute
- Degree of tilt is adjustable $\pm 20^\circ$
- Solid-state speed control ensures speed remains constant

What's included: UL-listed power supply. The 115 VAC models have a 4-ft (1.2-m) power cord with US standard plug; 230 VAC models have a 5-ft (1.5-m) cord with European plug.

Specifications

Speed range: 4 to 160 oscillations per minute **Maximum load:** 15 lb (6.8 kg)

Type	Shaking angle	Platform dimensions (W x H x D)	Power			Catalog number	Price
			VAC	Hz	Amps		
Single platform	Adjustable through 20° from horizontal	14" x 7" x 13" (35.6 x 17.8 x 33 cm)	115	60	0.5	GY-51401-01	
			230	50	0.3	GY-51401-06	
Double platform		14" x 11½" x 13" (35.6 x 29.2 x 33 cm)	115	60	0.5	GY-51401-11	
			230	50	0.3	GY-51401-16	



Cole-Parmer®

Dry Powder Rocking Shaker**Protect against chemical deterioration**

- Adjustable silicone-lined rack
- Unique mixing motion tosses powder from end-to-end while also rotating it
- Adjustable tilt capability and variable-speed control

What's included: 6-ft (1.8-m) three-wire cord with plug (US standard plug on 120 VAC models; three-wire plug on 240 VAC models).

Speed range	Maximum load	Bottle size	Shaking angle	Power			Catalog number	Price
				VAC	Hz	Amps		
2 to 60 rpm	15 lb	7" to 10" H; up to 7" dia	0 to 20°	120	50/60	1.50	GY-51605-00	
				240		0.75	GY-51605-15	

51605-00
Shown with bottle
(not included)



CE

Compact Digital Rocking Shaker**Place in incubators (non CO₂), chambers, and refrigerators**

- PID control for a consistent, smooth rocking motion
- Digital speed control easily adjusts from 5 to 100 rpm
- Adjustable tilt angle from 7 to 13° ensures gentle sample agitation
- Use in timer mode up to 99 hrs 59 minutes or continuous rocking

What's included: dimpled silicone mat, tray, two securing bands, and power cord (model 04725-06 has plug for US; model 04725-07 has plugs for China, Europe, and UK).

Shaking range	Power		Plug type	Catalog number	Price
	VAC	Hz			
7 to 13°	100 to 240	50/60	US	GY-04725-06	
			Assorted†	GY-04725-07	

†Model 04725-07 includes cord set with plugs for China, Europe, and UK.

[GY-04725-88](#) Rubber sticky mat and tray

[GY-04725-89](#) Dimpled silicone mat and tray

[GY-04725-90](#) Universal harness. Includes tray, sticky pad, and rubber bands

[GY-04725-91](#) Rubber bands for universal harness

NEW



CE

Specifications

Speed range: 5 to 100 rpm

Maximum load: 11 lb (5 kg)

Timer: 1 min to 99 hours, 59 min

Platform dimensions: 10⅞" x 10⅞"
(27.6 x 27.6 cm)

Tube Revolver

Be more flexible with interchangeable paddles

- Small footprint
- Paddles are adjustable from 0 to 90° to optimize the mixing angle
- Set in “oscillating” mode to achieve more effective mixing, oscillation occurs every 40 degrees in the rotation cycle
- Variable speed with easy-to-use intuitive controls
- Maintenance-free motor provides quiet operation

What's included: two 7 x 10/15-mL paddles, two 7 x 5/7-mL paddles, two 15 x 1.5/2-mL paddles, one 6 x 50-mL paddle, and power cord with plug (model 04725-16 has plug for US; model 04725-17 has plugs for China, Europe, and UK).

NEW



Paddle Attachments

Speed range	Power		Plug type	Catalog number	Price
	VAC	Hz			
10 to 40 rpm	100 to 240	50/60	US	GY-04725-16	
			Assorted†	GY-04725-17	

†Model 04725-17 includes cord set with plugs for China, Europe, and UK.

Paddle capacity	Cat. no.	Qty/pk	Price/pk
7 x 10/15-mL tubes	GY-04725-71	2	
7 x 5/7-mL tubes	GY-04725-72	2	
15 x 1.5/2-mL tubes	GY-04725-73	2	
21 x 0.5/0.8-mL tubes	GY-04725-74	2	
6 x 50-mL tubes	GY-04725-75	1	

Stovall Belly Dancer™ Shaker

Ensure thorough mixing

- Unique, undulating motion with suction feet
- Constructed with chemically resistant materials
- Lightweight and extremely quiet

Trouble-free construction contains no belts or pulleys. High-quality shunt wound DC motor and control. Variable-speed control, from 0 to 125 rpm.



Collar adjustment varies platform angle from flat to 12° pitch. Orbital throw is 1" (2.5-cm). The open-sided platform accommodates oversize containers.

What's included: a platform, removable nonskid mat, 6-ft (1.8-m) 110/115 VAC power cord (no cord included for 220/240 VAC model).

Specifications

Speed range: 0 to 125 rpm
Maximum load: 20 lb (9.1 kg)

Platform dimensions (W x D):
12" x 12" (30.5 x 30.5 cm)

Power			Catalog number	Price
VAC	Hz	Amps		
110/115 220/240	50/60	1.5	GY-51650-00 GY-51650-05	

Wrist-Action® Shakers

Get wrist-action mixing without holding samples

- Adjustment arm lets you choose the shaking amplitude



Two “flask-holding” configurations are available: models with side arm capacity only or models with side arm and top platform capacity. Shaking amplitude is controlled with the adjustment arm. Overload protection turns shaker off in event of a malfunction.

What's included: side arm clamps and a 7-ft (2.1-m) cord with US standard plug; models with a top platform also include a set of 10 platform clamps.

Specifications

Speed: 385 oscillations/min (±10%)
Timer range: 0 to 60 min or continuous
Max load: 10 lbs.

Shaking angle: 0 to 15°
Platform dimensions (W x D):
17" x 7¾" (43.1 x 19.7 cm)

Flask capacity		115 VAC, 60 Hz		220 VAC, 50 Hz	
Vessel capacity	Platform capacity	Catalog number	Price	Catalog number	Price
4	None	GY-51100-01		GY-51100-02	
8	None	GY-51100-20		GY-51100-25	
12	None	GY-51100-30		GY-51100-35	
4	8†	GY-51100-80		GY-51100-85	
8	8†	GY-51100-90		GY-51100-95	
12	8†	GY-51100-96		GY-51100-97	

†250-mL flasks

Wait!

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ColeParmer.com

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product specs
you need!

Shakers

Cole-Parmer® Roto-Torque® Rotator

Mix gently and efficiently

- Lock at the desired angle with the adjustable tilt stand (included)
- Speed range from 3 to 80 rpm

What's included: 6-ft (1.8-m), three-wire cord (model 07637-21 has a plug; model 07637-22 has stripped ends. Order required disc and clips separately below.



Speed range	Shaking angle	Power		Catalog number	Price
		VAC	Hz		
3 to 80 rpm	±45°	115 230	50/60	GY-07637-21 GY-07637-22	

Roto-Torque Attachment (Required)

Multipurpose disc accommodates different-sized test tubes and flasks. Holds 30 tubes on side or 16 on surface. Unit comes with thirty 10 to 15-mm size clips and twenty 15- to 20-mm size clips. Order larger clips (25- to 40-mm) separately.

[GY-07637-23](#) Multipurpose disc, 7" (17.8 cm) diameter

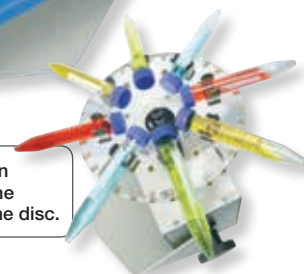
[GY-07637-41](#) Disc clips, 10 to 15 mm size. Pack of 12

[GY-07637-51](#) Disc clips, 15 to 20 mm size. Pack of 12

[GY-07637-70](#) Disc clips, 25 to 40 mm size. Pack of 12



Tubes shown clipped to the side of the disc.



Tubes shown clipped to the surface of the disc.

Cole-Parmer® Multipurpose Mixer/Rotator

Save money—get three shakers in one!

- Rotate sample 360° forward, backward, or both
- Mix back and forth like a traditional reciprocating rocker
- Vortex multiple tubes at one time



NEW



Versatile mixer/rotator can perform three modes of mixing individually or in the same run. Fully programmable unit allows you to set time, shaking speed, rotation angle, and pauses from 1 second to 12 hours (depending on mode). Two interchangeable platforms (included) feature unique flexible rubber grippers that securely hold a range of tube sizes from 1.5 to 50 mL.

What's included: 22-place platform (22 tubes from 1.5 to 15 mL), 8-place platform (6 x 50-mL tubes; 2 tubes from 1.5 to 15 mL), and universal power adapter.

Specifications

Shaking angle:

Rotating mode: 360°
Reciprocating mode: 15 to 90°
(in 15° increments)
Vortexing mode: 1 to 5°

Timer:

Rotating mode: max time 12 hrs
Reciprocating mode: max time 999 seconds
Vortexing mode: max time 12 hrs

Speed range	Power	Catalog number	Price
5 to 30 rpm	110/220 VAC	GY-04726-02	

Vortex Mixer

Store it easily when not in use

- Choose between continuous or pulse mode
- Simple dial controls speed from 0 to 3000 rpm
- Automatic overload shutoff
- Sturdy design and weight keeps unit from "walking" while in use
- Variety of accessories accommodates different-sized vessels



NEW

What's included: pop-off rubber platform and power cord (model 04725-01 has plug for US; model 04725-03 has plugs for China, Europe, and UK).



Speed	Power		Plug type	Catalog number	Price
	VAC	Hz			
0 to 3000 rpm	100 to 240	50/60	US	GY-04725-01	
			Assorted†	GY-04725-03	

†Model 04725-03 includes cord set with plugs for China, Europe, and UK.

Accessories

[GY-04725-92](#) Microplate tray

[GY-04725-93](#) Replacement pop-off rubber platform

[GY-04725-94](#) Tube holder with insert retainer

[GY-04725-95](#) Tube holder with insert retainer, for 16 x 10-mm tubes

[GY-04725-96](#) Tube holder with insert retainer, for 9 x 12-mm tubes

[GY-04725-97](#) Tube holder with insert retainer, for 9 x 15-mm tubes

[GY-04725-98](#) Tube holder with insert retainer, for 5 x 20-mm tubes

[GY-04725-99](#) Tube holder with insert retainer, for 4 x 25-mm tubes

Cole-Parmer® Vortex Mixer

Mix more efficiently with true circular orbit

- Variable speed for general mixing to resuspending pellets
- No tools needed to replace heads
- Safe for cold room or incubator use



Shaker features two modes for both “touch” and continuous operation. The standard cup head supplied with the vortexer accommodates a single test tube.

What's included: standard cup head and 3½-ft (1-m) power cord.



Speed range	Power			Catalog number	Price
	VAC	Hz	Amps		
0 to 3400 rpm	120	60	0.6	GY-04726-01	
0 to 2850 rpm	230	50	0.3	GY-04726-03	

[GY-04726-07](#) Optional head for 24 x 1.5-mL, 24 x 0.5-mL, and 32 x 0.2-mL tubes

[GY-04726-08](#) Optional head for 1 microplate or 64 x 0.2-mL tubes or 8 x 0.2-mL tubes

[GY-04726-09](#) Optional head for 8 x 15-mL and 8 x 12-/13-mm diameter tubes

[GY-04726-11](#) Optional head for 6 x 50-mL tubes

[GY-04726-12](#) Optional head for 12 x 1.5-/2.0-mL tubes, held horizontally

[GY-04726-13](#) Optional head for 4 x 15-mL tubes, held horizontally

[GY-04726-14](#) Optional head for 2 x 50-mL tubes, held horizontally



Vortex Mixer with Infrared Sensor

Reduce repetitive wrist strain

- Infrared sensor mode detects when a tube is present and automatically starts mixing, without any applied pressure, or operate in continuous “touch” mode
- Quiet operation with soft-start feature and controlled ramping
- Variable speeds up to 3000 rpm for applications from gentle mixing to vigorous vortexing
- Polymer/zinc alloy construction is easy to clean and offers excellent chemical resistance
- Optional accessories accommodate a broad range of vessels, greatly expanding its uses

What's included: standard pop-off cup for single test tube and a 6-ft (1.8-m) power cord with plug.



Wizard Vortex Mixer

No pressure needed—automatically activates when object is near

- Two modes of operation—sensor or continuous
- Infrared system detects the presence of a test tube and starts vibration automatically

The Wizard features a small footprint, low profile, and ergonomic design. Three anti-sliding feet absorb vibration and enhance stability. Adjustable speed lets you set at low speeds for gentle mixing or high speeds for more vigorous mixing. Wide operating ambient temperature range makes mixer ideal for cold rooms or incubators.

What's included: standard pop-off cup for single test tube, and 6-ft (1.8-m) cord with plug.



Specifications

Speed range: 0 to 3000 rpm
Platform dimensions: 2" (5.1 cm) dia

Overall dimensions (W x H x D):
7" x 2½" x 8⅝"
(17.8 x 6.4 x 21.9 cm)

Speed	Power		Catalog number	Price
	VAC	Hz		
0 to 3000 rpm	100/240	50/60	GY-86579-03	

[GY-86579-22](#) Microtube adapter; foam, holds 19 x 1.5-mL microtubes

[GY-86579-23](#) Microplate adapter; foam, holds one 96-well microplate

[GY-86579-24](#) Test tube adapter; foam, holds five 16-mm tubes

[GY-86579-25](#) Small platform; rubber, 2" (5.1 cm) dia

[GY-86579-27](#) Large platform; soft foam, 3¾" (9.5 cm) dia

Power	Catalog number	Price
VAC	Hz	Amps
115/230	50/60	0.26
	GY-86579-20	

[GY-86579-22](#) Microtube adapter; foam, holds 19 (1.5-mL) microtubes

[GY-86579-23](#) Microplate adapter; foam, holds 96-well microplate

[GY-86579-24](#) Test tube adapter; foam, holds five 16-mm tubes

[GY-86579-25](#) Small platform; rubber, 2" (5.1 cm) dia

[GY-86579-26](#) Large platform; foam, 3¾" (9.5 cm) dia

[GY-86579-27](#) Large platform; soft foam, 3¾" (9.5 cm) dia

[GY-86579-28](#) Replacement pop-off cup

Vortex-Genie Shakers

Maximize high-speed touch mixing

— Won't "walk" across your benchtop

Vortex-Genie® 1 Shaker has a single high-speed mixing action that eliminates operator error for highly reproducible results. Includes pop-off cup; 3" (7.6-cm) platform sold separately below.

Vortex-Genie® 2 Shaker allows you to control speed intensity by varying pressure to the head. The variable speed shaking allows you to adjust the level of mixing from gentle shaking to vigorous vortexing. Easy-to-change platforms allow you to adapt your shaker to a variety of applications. Shaker comes with a pop-off cup for single tube shaking and a standard 3" (7.6-cm) platform for multiple tube or flask shaking. Order optional platform starter kits below to customize the shaker for your application.

Vortex-Genie® 2T Shaker features both touch and hands-free operation. Shake samples from 1 to 60 seconds in touch mode, 1 to 60 minutes in hands-free mode, or continuously in the automatic untimed mode. The 2T shaker accepts all standard Genie attachments and accessories making it an economical addition to your laboratory. Includes pop-off cup and 3" (7.6-cm) platform.

Digital Vortex-Genie® 2 Shaker features both touch and hands-free operation with increased timer range. Shake samples from 1 to 99 seconds in touch mode, 1 to 99 minutes in hands-free mode, or continuously in the automatic untimed mode. Digital display provides accuracy, reproducibility, and repeatability. Accepts all standard Genie attachments and accessories and includes pop-off cup and 3" (7.6-cm) platform.

Vortex-Genie® Pulse Shaker offers true pulsing action, providing more collisions and random motion. Ideal for applications requiring more aggressive action than standard vortexing. Fully programmable—the variable run/stop time provides quick pulsing or interval mixing to keep samples in suspension, or use in continuous mode for vortexing. Featuring digital control and display of speed and time, this shaker will deliver reproducible and accurate mixing. Accepts all standard Genie attachments and accessories and includes pop-off cup and 3" (7.6-cm) platform.

What's included: power cord with plug (no plug on 230 VAC models).



Speed range	Timer range		Platform dimensions	Power			Catalog number	Price
	Touch mode	Hands-free mode		VAC	Hz	Amps		
Vortex-Genie 1 shaker								
600 to 3200 rpm	—	—	1½" dia pop-off cup	120	60	0.65	GY-04724-10	
600 to 2700 rpm				230	50/60	0.5	GY-04724-15	
Vortex-Genie 2 shaker								
600 to 3200 rpm	—	—	1½" dia pop-off cup, 3" dia platform	120	60	0.65	GY-04724-00	
600 to 2700 rpm				230	50/60	0.5	GY-04724-05	
Vortex-Genie 2T shaker								
600 to 3200 rpm	1 to 60	1 to 60	1½" dia pop-off cup, 3" dia platform	120	60	0.65	GY-04724-20	
600 to 2700 rpm	seconds	minutes		230	50/60	0.5	GY-04724-25	
Digital Vortex-Genie 2 shaker								
500 to 3000 rpm	1 to 99	1 to 99	1½" dia pop-off cup, 3" dia platform	120	60	0.65	GY-04724-40	
	seconds	minutes		230	50/60	0.5	GY-04724-45	
Vortex-Genie Pulse shaker								
500 to 3000 rpm	0.1 sec to 99	1 to 99	1½" dia pop-off cup, 3" dia platform	120	60	0.65	GY-04724-38	
	minutes	minutes		230	50/60	0.5	GY-04724-39	

[GY-04724-61](#) Platform with cover, 3" (7.6-cm) dia

[GY-04724-60](#) Replacement cup for single tube shaking

[GY-04724-70](#) Thermoplastic rubber cover protects standard 3" (7.6-cm) platform

[GY-04724-54](#) Small ampule shaker attachment

[GY-04724-55](#) Large ampule shaker attachment

[GY-04724-57](#) TurboMix™ shaker attachment

[GY-04724-63](#) Microtube holder for 12 x 2-mL tubes

[GY-04724-64](#) Vertical tube holder. Holds 3 x 50-mL tubes

[GY-04724-65](#) Vertical tube holder. Holds 6 x 15-mL tubes

[GY-04724-89](#) Vertical tube holder. Holds 6 x 50-mL, 6 x 15-mL, and 12 microtubes

[GY-04724-66](#) Vertical microtube holder. Holds 9 microtubes

[GY-04724-67](#) Molded bottom closure and screw kit

[GY-04724-83](#) Platform, 6" (15.2 cm)

[GY-04724-84](#) Recessed platform

[GY-04724-85](#) Tube insert†, foam; 9–16 mm. Set of 2

[GY-04724-86](#) Tube insert†, foam; 14–29 mm. Set of 2

[GY-04724-87](#) Tube insert†, foam; 29–37 mm. Set of 2

[GY-04724-88](#) Blank insert†, foam. Set of 2

†Requires recessed platform 04724-84 (sold separately above).



Beaker/Tube Platform Starter Kit includes one recessed platform for beakers up to 250 mL, two elastic bands, and one tube insert assortment set (Set includes one foam insert each for 9 to 16 mm, 14 to 29 mm, and 29 to 37 mm tubes; and one blank insert).

[GY-04724-80](#) Beaker/tube platform starter kit

[GY-04724-82](#) Replacement elastic bands†.

Set of 2

[GY-04724-81](#) Replacement tube insert assortment†. Set of 4

†Requires recessed platform 04724-84 (sold separately at left).

Microtube/Microwell Plate Platform Starter Kit contains one 6" (15.2 cm) platform, one 6" (15.2 cm) foam insert for 60 microcentrifuge tubes, and one 6" (15.2 cm) foam insert for a single microwell plate.

[GY-04724-50](#) Microtube/microwell plate platform starter kit

[GY-04724-51](#) Replacement micro tube inserts† hold up to 60 microtubes. Pack of 2

[GY-04724-53](#) Double-tier microwell plate insert

†Requires platform 04724-83 (sold separately at left).