



Benchtop Water Bath Shaker



Max^Q™ 7000



*For a complete system order:
1. Shaker 2. Platform 3. Clamps*

Product Description

- Easy access drain system with quick disconnect is located in the front of the cabinet for convenience in draining and disinfecting the system.
- Minimize splashing and turbulence in the chamber with twin baffles even at high speeds.
- Prevent heat loss and minimize evaporation with the use of optional covers.

Operation

- Shakers feature a triple eccentric drive that handles heavy workloads, provides uniform agitation and enables continuous 24-hour operation even at high speeds.
- Water bath temperature is monitored and controlled over the entire range with accuracy of $\pm 0.2^{\circ}\text{C}$ at 37°C in flask with PID temperature controller.

Analog Operating System

- DC motor and variable speed control from 40 to 400 rpm, controlled by a rotary dial.
- Integrated tachometer monitors and displays speed in rpm to guarantee an accurate setting.
- Easy-to-read LED digital display shows temperature.
- Operate shaker in continuous mode or set timer from 1 to 60 minutes for time studies.

Max^Q™ 7000 Easy Front Access Drain System with Quick Disconnect!

- Choose between analog and digital operating systems.
- 5 year warranty on parts and *LIFETIME* on drive mechanism.

Digital Operating System

- Solid state DC brushless motor, variable speed control from 15 to 500 rpm, and continuous and timed operation from 0.1 hour up to 99.9 hours or 0.1 minute to 99.9 minutes.
- Displayed time counts up during continuous operation and down during timed runs.
- View speed, operating time and temperature simultaneously on 3 individual LED displays which helps minimize errors in establishing running conditions.
- Visual/audible signals alert you to temperature deviations and low water levels. Heat turns off if temperature increases $\pm 1^{\circ}\text{C}$ of setpoint.
- Shaker shut down and audible/visual alarms signal if unit operates $\pm 10\%$ of set speed prevents shaker from walking.
- Soft start feature eliminates splashing of vessel contents, wetting of flask closure, and helps prevent sudden starts and stops.
- Power interruptions will not alter results due to set point retention that retains parameters during power failure and restarts unit automatically after power is restored.
- RS232 interface allows remote monitoring of speed, time and temperature.
- Monitor temperature with built-in recorder jack for output to chart recorders for a permanent record.

Safety

- Over temperature safety feature with independent thermostat provides additional backup by controlling heat if main temperature controller fails.

Applications

- Cell cultures
- Solubility studies
- Extraction procedures
- Diagnostic tests
- General mixing
- Bacterial suspensions
- Staining
- Destaining
- Washing procedures
- Hybridization

Lab-Line Water Baths



ORDERING INFORMATION

Model #	Speed Range (rpm)	Orbit Diameter Inches (cm)	Maximum Load Lbs (kg)	Temperature Range and Accuracy	Overall Dimensions Inches (cm)			Power	Shipping Weight Lbs (kg)	US List Price
					L	W	H			
Water Bath Shaker - Analog										
SHKA7000 ^{1,2}	40 to 400	0.50 (1.27)	35 (15.9)	5°C above ambient to 65°C; +/-0.2°C in flask	25 (63.5)	21.5 (54.6)	18 (45.7)	120V, 50/60 Hz	107 (48.5)	\$4,645.00
SHKA7000-1CE ^{1,2,3}	40 to 400	0.50 (1.27)	35 (15.9)	5°C above ambient to 65°C; +/-0.2°C in flask	25 (63.5)	21.5 (54.6)	18 (45.7)	240V, 50/60 Hz	107 (48.5)	\$4,645.00
Water Bath Shakers - Digital										
SHKE7000 ^{1,2}	15 to 500	0.50 (1.27) +/-1 rpm	35 (15.9)	5°C above ambient to 65°C; +/-0.2°C in flask	25 (63.5)	21.5 (54.6)	18 (45.7)	120V, 50/60 Hz	107 (48.5)	\$5,435.00
SHKE7000-1CE ^{1,2,3}	15 to 500	0.50 (1.27) +/-1 rpm	35 (15.9)	5°C above ambient to 65°C; +/-0.2°C in flask	25 (63.5)	21.5 (54.6)	18 (45.7)	240V, 50/60 Hz	107 (48.5)	\$5,435.00

¹ UL, ² CUL, ³ CE

ACCESSORIES

Universal Platform				MaxQ 7000 Water Bath Shaker Accessories		
Model #	Description		US List Price	Model #	Description	US List Price
30105	Universal 11" x 13" (27.9 x 33 cm) Platform		\$18.00	SHK7000-37	Cooling Coil for near-ambient temperature and below	\$155.00
Clamps for Universal Platform				SHK7000-30	Stainless Steel Gable Cover for temperatures up to 90°C	\$361.00
		Maximum number of vessels per platform size 11" x 13" (27.9 x 33 cm)	US List Price	SHK7000-32	Plexiglas™ Gable Cover for temperatures up to 65°C	\$412.00
30175	Microplate/ Deep Well Plate	5	\$18.00	SHK7000-35	Plexiglas Gassing Hood for addition of CO ₂ into the chamber	\$450.00
30150	10 ml Flask	60	\$16.00	SHK7000-40	Four Auxiliary Platform Suspension Arms for rapid platform changes	\$145.00
30151	25 ml Flask	60	\$16.00	SHK7000-45	Movable Dolly for under lab bench operation	\$570.00
30152	50 ml Flask	30	\$18.00	SHK7000-48	Mobile Cart	\$801.00
30153	125 ml Flask	13	\$18.00			
30154	250 ml Flask	9	\$21.00			
30155	300 ml Flask	7	\$21.00			
30156	500 ml Flask	6	\$24.00			
30157	1 Liter Flask	4	\$33.00			
30158	2 Liter Flask	1	\$43.00			
30159	4 Liter Flask	1	\$57.00			
30160	6 Liter Flask	1	\$66.00			
30161	2500 ml Low Form Culture Flask	1	\$82.00			
30162	2800 ml Fernbach Flask	1	\$58.00			
		Number of Tubes/rk	Number of racks per platform			
30164	10 to 13 mm Test Tube Rack	60	2			
30168	14 to 16 mm Test Tube Rack	48	2			
30165	18 to 20 mm Test Tube Rack	44	2			
30166	22 to 25 mm Test Tube Rack	24	2			
30167	50 ml Centrifuge Tube Rack	24	2			

More universal clamps are available along with dedicated platforms and clamps. Refer to pages 246-249 for additional platforms and clamps