

Lab-Line Water Baths



Digital Reciprocating Shakers



Model 4682

Product Description

- Microprocessor shaking control is digitally set from 15 to 250 oscillations per minute, with adjustable stroke length from .5" (1.3 cm) to 1.5" (3.8 cm) in .25" (0.64 cm) increments.
- Digital temperature control from above ambient to 65°C (98°C with optional gable cover).
- Built-in memory retains set points in the event of power interruption; shaker automatically resumes operation once power is restored.
- Visual and audible alarms indicate low water level or deviation in speed over set point.
- Locked rotor protection stops shaking motion if a blockage occurs, preventing motor damage.

Precise Temperature, Speed and Time Control!

- View speed, time and temperature on three individual displays
- Excellent $\pm 0.1^\circ\text{C}$ uniform water temperature
- Low level water alarm protects samples
- 15 to 250 cycles/min provide gentle to vigorous stirring
- ☆ 24 Month Warranty
- Seamless stainless steel chamber construction prevents leakage.
- Unique stainless steel universal trays ensure uniform temperature throughout bath.
- Over-temperature safety feature with independent thermostat provides additional backup by controlling heat if main temperature controller fails.
- Stainless steel tray with handles and adjustable springs that stretch across the tray holds racks and other objects in place while tray shakes.
- Secure flasks by ordering the platform insert (3582-33) using standard flask clamps sold separately. Flask clamps fit into pre-drilled holes in platform insert.
- Achieve maximum temperature with optional gable-type cover, sold separately.

Application

- Ideal for applications such as tissue, metabolic, enzymatic and cell studies.

PRODUCT SPECIFICATIONS

Model #	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Shipping Weight Lb. (kg)
	W	H	D	W	H	D	
4682	11.5 (29)	8 (20)	19.5 (49)	16.6 (42)	11.25 (29)	31.4 (80)	46 (21)
4682-1	11.5 (29)	8 (20)	19.5 (49)	16.6 (42)	11.25 (29)	31.4 (80)	46 (21)

ORDERING INFORMATION

Model #	Electrical (50/60 Hz)			Capacity Liters	Operating Temp Range °C	Temp. Control At 37°C (in flask)	Temp. Uniformity At 37°C (in flask)	US List Price
	Volts	Amps	Watts					
4682	120	11.6	1400	20	amb.+5° to 65°C (98°C w/cover)	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	\$4,682.00
4682-1	240	5.8	1400	20	amb.+5° to 65°C (98°C w/cover)	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	\$4,682.00

ACCESSORIES

Model #	Description	US List Price	Model #	Vessel Size	Max. No. Held	US List Price
3582-33	Platform Insert	\$85.00	30151	25 ml flask clamp	11 per platform	\$16.00
3582-35	Gassing Hood	\$280.00	30152	50 ml flask clamp	11 per platform	\$18.00
3582-37	Cooling Coil	\$90.00	30153	125 ml flask clamp	8 per platform	\$18.00
3582-39	Stainless Steel Gable Cover	\$272.00	30154	250 ml flask clamp	5 per platform	\$21.00
Clamps for use with Erlenmeyer flasks			30156	500 ml flask clamp	3 per platform	\$24.00
			30157	1000 ml flask clamp	2 per platform	\$33.00