

NEW BRUNSWICK SCIENTIFIC'S C76 WATER BATH SHAKER

This multi-functional shaking water bath can maintain temperatures up to 80°C, making it ideally suited for hybridization studies, gel staining - destaining, as well as for culturing cells. An optional cooling coil extends its range of applications.

- **Microprocessors Ensure Precise Control** of temperature, agitation speed and running time
- **Temperature Range:** 7°C above ambient to 80°C. Optional cooling coil available for near and below ambient conditions
- **Agitation 50 - 300 rpm, \pm 2 rpm**
- **1/2" (1.3 cm) Circular Orbit**
- **Unique Acceleration/Deceleration Circuit** prevents splashing and reduces mechanical wear for long life
- **Timed Studies with Automatic Agitation Shut-Off** can be programmed, adjustable from 0.1 to 99.9 hrs.
- **Round-Cornered Bath of One Piece Heavy-Gauge Stainless Steel** is crevice-free, easy-to clean, and rust-resistant



Deep-drawn round-cornered bath has no seams or crevices to simplify cleaning. Front and rear snap-in baffles, which minimize splashing, have been removed to show details.



Large-capacity Model C76 Water Bath Shaker with optional Plexiglas gable cover accepts test tubes and flasks to 2 Liters.

- **Heat Loss and Evaporation Minimized** with use of optional Plexiglas or stainless-steel gable cover.
- **Audible & Visual Alarms** alert the user to setpoint deviations
- **Thermostat Fail-Safe** shuts off heaters in case of over-temp.
- **Interchangeable Accessory Platforms**, 12" x 16.5" (31 x 42 cm) accommodate flasks, tubes and gel trays
- **Half-Size Platforms with Clamps** already mounted, provide maximum capacity for shaking different sized flasks
- **C-76 Shakers Shipped Within the US and Canada are Covered by 2 Year Warranty** on parts & labor. Outside of North America, they are covered by a 1 year warranty



New Brunswick Scientific
Where Quality and Innovation Have Become Tradition

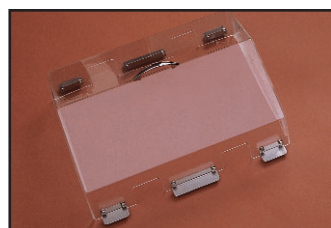
MODEL C76 WATER BATH SHAKER SPECIFICATIONS *



Half-size platforms offer shaking versatility.



Optional stainless steel gable cover for high temperature applications.



See-through gable cover option for rapid heat-up to 60°C.



Optional Cooling Coil for low temperature applications.

SHAKING	Range & Control †	50 to 300 rpm ±2 rpm over entire speed range by means of PI Microprocessor control. Acceleration circuit prevents sudden starts and minimizes splashing
	Motion	1/2" (1.3 cm) diameter circular orbit
	Indication	Digital LED display in 1 rpm increments
	Timer	Programmable shaking periods from 0.1 hr to 99.9 hrs. Shuts off agitation at end of period. Can be deactivated for continuous operation
TEMPERATURE	Range	7°C above ambient (or coolant temperatures using optional cooling coil), to 80°C **
	Regulation	PI microprocessor feedback control with platinum RTD sensor, employing pulse-width modulation of heater
	Control	±0.25°C
	Indication	Digital LED Display in 0.1°C increments
	Heaters	Low-watt density resistance-type heaters
ALARMS		Visible warning signal indicates when speed deviates more than 5 rpm, temperature more than 1°C from setpoints, and when timer has expired
LED DISPLAY		Indicates speed, running time, alarm conditions and temperature. Displays readout of internal clock. Character height 3/8" (0.95 cm)
DRIVE		Eccentric counterbalanced drive with permanently lubricated ball bearings
DRIVE MOTOR		Variable speed AC motor
SAFETY		Sensor shuts off heaters if high temperature limit is exceeded
SETPOINT RETENTION		Setpoints and operating status retained by non-volatile memory. Automatic restart after power is restored. (Indicated by flashing display)
ELECTRIC SERVICE		100/120V, and 230/240V, 50/60 Hz. 960 Watts
DIMENSIONS	Platform	12" Wide x 16.5" Deep (31 x 42 cm). Half Size Platforms sized 12" x 8" (30 x 20 cm)
	Overall	21.4" Wide x 26.9" Deep x 18.5" High (54 x 68 x 47 cm)
WEIGHT		115 lbs (52 kg) Net; 145 lbs (66 kg) Gross
AMBIENT OPERATING CONDITIONS		Temperature 5°C - 35°C. Humidity: 20% - 90% RH, non-condensing

(*) Specifications subject to change without notice

(†) Based on shaking a typical workload

(**) Stainless Steel Gable Cover required for temperatures over 60°C

MODEL C76 ORDERING INFORMATION		
Catalog No.	Orbit	Electrical Service
M1248-0002	1/2" (1.3 cm)	100/120V 50/60 Hz
M1248-0003	1/2" (1.3 cm)	230/240V 50/60 Hz

HALF-SIZE PLATFORMS**, 12" x 8"			
Catalog No.	Description	Platforms/Bath	Clamps/Plat.
AG7-50	50 mL Erlenmeyer clamps	2	13
AG7-125	125 mL Erlenmeyer clamps	2	8
AG7-250	250 mL Erlenmeyer clamps	2	5

(**) Requires one sub-platform M1231-9939

ACCESSORY PLATFORMS, 12" x 16.5" FOR MODEL C76		
Catalog No.	No. of Clamps/holders	Application/Size of Glassware
M1231-9930	—	Universal Platform**
M1231-9933	31	50 mL Erlenmeyer Flask
M1231-9934	22	125 mL Erlenmeyer Flask
M1231-9935	13	250 mL Erlenmeyer Flask
M1231-9936	8	500 mL Erlenmeyer Flask
M1231-9937	6	1 L Erlenmeyer Flask
M1231-9938	2	2 L Erlenmeyer Flask
M1231-9939	—	Sub-Platform used as a mounting base for 2 half-size platforms or for 4 test tube racks. See chart at right

(**) Flask clamps for Universal Platform sold separately.

TEST TUBE RACKS** ◇			
Catalog No.	Description	Platforms/Bath	Clamps/Plat.
AG7-TT13	Rack for 13 mm Tubes	4	60
AG7-TT16	Rack for 16 mm Tubes	4	36
AG7-TT20	Rack for 20 mm Tubes	4	29
AG7-TT25	Rack for 25 mm Tubes	4	18

(**) Requires one sub-platform M1231-9939 (◇) Other rack options available. Contact your local sales representative for details.

OTHER ACCESSORIES	
Catalog No.	Description
M1231-2000	Gable Cover, Stainless steel, for temperatures > 60°C
M1231-2010	Gable Cover, Plexiglas, for temperatures ≤ 60°C
M1231-9920	Cooling Coil, Factory installed
M1248-0730	Spare set of Arms for affixing platform to water bath



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