

# 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, ± 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



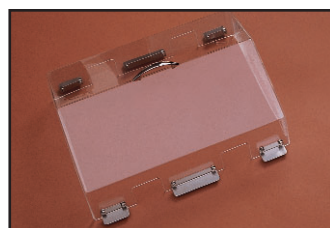
**New Brunswick Scientific**  
Where Quality and Innovation Have Become Tradition

**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.

|                                     |  |  |
|-------------------------------------|--|--|
| <b>SHAKING</b>                      | Range & Control †  | 50 to 300 rpm $\pm$ 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                      |
| <b>TEMPERATURE</b>                  | 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  | $\pm$ 0.25°C   |
|                                     | Indication   | Digital LED Display in 0.1°C increments  |
|                                     | Heaters  | Low-watt density resistance-type heaters   |
| <b>ALARMS</b>                       | Visible warning signal indicates when speed deviates more than 5 rpm, temperature more than 1°C from setpoints, and when timer has expired |  |
| <b>LED DISPLAY</b>                  | Indicates speed, running time, alarm conditions and temperature. Displays readout of internal clock. Character height 3/8" (0.95 cm)       |  |
| <b>DRIVE</b>                        | Eccentric counterbalanced drive with permanently lubricated ball bearings  |  |
| <b>DRIVE MOTOR</b>                  | Variable speed AC motor  |  |
| <b>SAFETY</b>                       | Sensor shuts off heaters if high temperature limit is exceeded   |  |
| <b>SETPOINT RETENTION</b>           | Setpoints and operating status retained by non-volatile memory. Automatic restart after power is restored. (Indicated by flashing display) |  |
| <b>ELECTRIC SERVICE</b>             | 100/120V, and 230/240V, 50/60 Hz. 960 Watts  |  |
| <b>DIMENSIONS</b>                   | 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)   |
| <b>WEIGHT</b>                       | 115 lbs (52 kg) Net; 145 lbs (66 kg) Gross   |  |
| <b>AMBIENT OPERATING CONDITIONS</b> | 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  |

| 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.

| 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

| 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 $\leq$ 60°C  |
| M1231-9920        | Cooling Coil, Factory installed                       |
| M1248-0730        | Spare set of Arms for affixing platform to water bath |



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