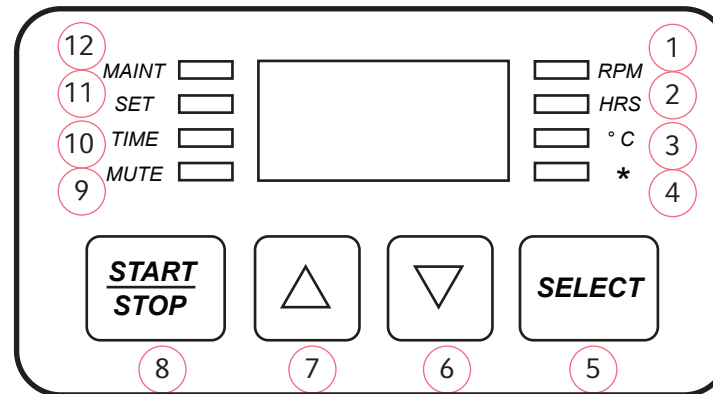# NEW BRUNSWICK™ SHAKER OPERATING KEY
M1190-9600 Revision C

eppendorf

1. RPM: Lights when display shows speed, i.e., actual speed or setpoint in SET mode. Flashes when 5 RPM above or below setpoint.

2. HRS: Lights when display shows time, i.e., actual time remaining, or setpoint in SET mode, or total running time.

3. °C: Lights when display shows temperature, i.e., actual chamber or bath temperature, or setpoint in SET mode. Flashes when 1 °C above or below setpoint.

4. *: Innova 3100 - Flashes when water level is below setpoint.

5. Determines the Function display: RPM, HRS, °C

6. Decreases setpoint for agitation speed (RPM), time (HRS) or temperature (°C).

7. Increases setpoint for agitation speed (RPM), time (HRS) or temperature (°C).

8. Starts or stops shaking.

9. MUTE: Lights when audible alarm is deactivated.

10. TIME: Lights during a timed run. Flashes at end of run.

11. SET: For establishment of setpoints, lights when using ▲ or ▼ key

12. MAINT: Every 10,000 hours of operation, lights to signal need for preventative maintenance

```
12  MAINT ▭                  ▭ RPM   1
11  SET   ▭                  ▭ HRS   2
10  TIME  ▭                  ▭ °C    3
9   MUTE  ▭                  ▭ *     4

  START       △       ▽      SELECT
  STOP

    8         7       6        5
```

Audible alarm:
1. Press SELECT to acknowledge. Stops sounding, but remains enabled.
2. To deactivate, SELECT to HRS, then press ▲ and ▼ SIMULTANEOUSLY , then press START/STOP. MUTE will light.
3. To reactivate, SELECT to HRS, then press ▲ and ▼ SIMULTANEOUSLY, then press START/STOP. MUTE will go off.

To set and start a timed run:
1. Press SELECT until HRS lights.
2. Press ▲ or ▼ to set time (between 0.1 HRS and 99.9 HRS).
3. While SET is lit, press START/STOP. TIME will light and Display will show time remaining.

To cancel:
1. Press SELECT to HRS.
2. Press ▲ or ▼ , then START/STOP. Time light turns off. Display reads "Off".

To *adjust running time*:
While TIME is lit, press ▲ or ▼ to set a new time.

Total running time:
1. Press SELECT to HRS.
2. Press ▲ and ▼ SIMULTANEOUSLY.
3. Press START/STOP. Display indicates hundreds of hours.

Flashing display indicates power interruption. Press any key to deactivate.