

1. BASIC OPERATION

- Press POWER switch on control panel. Shaking incubator automatically detects power supply frequency F50 or F60 and shows it on display. Likewise the shaking incubator is then set to last saved parameters.
- **Press and hold encoder knob for more than 2 seconds. Temperature** signal light blinks. With rotating encoder clockwise (+) or counter-clockwise (-), set temperature to desired value.
- If you want to use the shaking incubator **without temperature regulation** - set OFF on display. You get OFF function on display, when you rotate encoder under 0.0°C or above 70.0°C.
- **Press encoder knob.**
- **Speed** signal light blinks. With rotating encoder clockwise (+) or counter-clockwise (-), set rotating speed to desired value.
- If you want to use the shaking incubator **without shaking** - set OFF on display. You get OFF function on display, when you rotate encoder under 20 RPM or above 300 RPM.
- **Press encoder knob.**
- **Time** signal light blinks. With rotating encoder clockwise (+) or counter-clockwise (-), set time to desired value from 1 min to 99 h.
- If you want to set **Time to hold** (continued operation) - set HLd on display. You get HLd function on display, when you rotate encoder under 0.01 min or above 99.0 h.
- **Press START/STOP key once** to exit the changing of parameters. You are now in starting mode. Only signal light of the last changed parameter shines.

Note: You always change the parameter, whose signal light blinks - temperature, speed or time. You can always change one, two or three parameters. To exit the changing of parameters, always press START/STOP key once.



- **Press START/STOP key to start the operation.**
- **Run** signal light shines. Shaking incubator counts down the time from set value.

You can move between the values of time and speed during the operation, by pressing the encoder. These two values are shown alternately on bottom display.

2. CHANGING PARAMETERS DURING OPERATION

Note: You can not modify time during operation.

- If you want to change **Temperature** during operation, press and hold encoder knob for more than 2 sec. Temperature signal light blinks. Rotate encoder clockwise (+) or counter-clockwise (-), to set the desired value. In the meantime, temperature signal light pulses. **When you set the new value, press START/STOP key only ONCE.** Shaking incubator goes back to working parameters.
- If you want to change **Speed** during operation, press and hold encoder knob for more than 2 sec. If shaking incubator is not set on speed (speed signal light is not blinking), press encoder - speed signal light must blink. Rotate encoder clockwise (+) or counter-clockwise (-), to set the desired value. In the meantime speed signal light pulses. **When you set new value, press START/STOP key only ONCE.** Shaking incubator goes back to working parameters.
- When time elapses or you press START/STOP key again, message **End** appears on display and **Run** signal light pulses. When shaking incubator completely stops, it places itself to **last used values** for **Time, Speed** and **Temperature**.

	<p>If you lift the lid during operation, shaking incubator stops immediately and message Opn Lid appears on displays. When you close the lid again, shaking incubator starts operating automatically.</p>
	<p>If there is a power cut during operation, shaking incubator will restart automatically, as soon as the electricity returns. Display will be flashing (warning you that the power was cut). You can turn the flashing off, by pressing the encoder knob.</p>

3. SHAKING WITHOUT HEATING

- If you want to shake the samples without heating them, set **Temperature** to OFF.

4. HEATING WITHOUT SHAKING

- If you want to heat the samples without shaking them, set **Speed** to OFF.