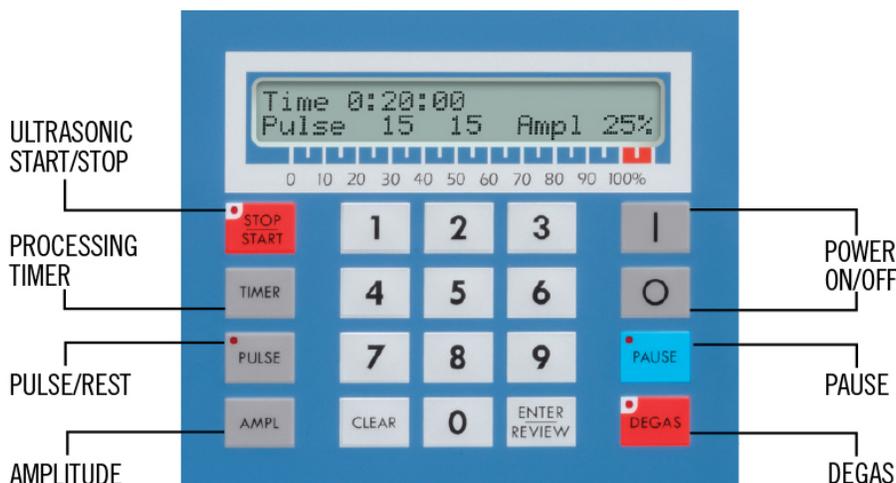


## Programming the Sonicator



FRONT PANEL	
LCD display	Displays prompts and the following control parameters: <ul style="list-style-type: none"> <li>• Amplitude selected</li> <li>• Output power delivered to the horn in watts, and as percentage of the total power</li> <li>• Selected duration of processing</li> <li>• Actual processing time</li> <li>• Elapsed time</li> <li>• Pulse duration</li> <li>• Accumulated amount of energy in Joules delivered to the horn</li> </ul>
0 – 9 key	Input digits.
CLEAR key	Clears the preceding entry.
ENTER/REVIEW key	Enters data into the program, and selects various parameters, for display on the LCD display
TIMER key	Used to set the duration of ultrasonics – from 1second to 9 hours, 59 minutes, 59 seconds. This is the total time the Sonicator is ON and producing ultrasonic energy. This setting does not include any Pulse OFF time.
PULSE key	Used to set the pulse mode. The ON cycle and OFF cycle can be set independently from 1 second to 59 seconds. Red indicator lights when pulser is in the OFF portion of the cycle.
START/STOP key	Starts or stops the ultrasonics. In the STOP mode the red indicator goes off.
Degas key	Initiates the Degassing cycle (10 minute cycle)
I key	Switches the main power ON.
O key	Switches the main power OFF.
AMPL	Controls the amplitude of vibration of the ultrasonic horn.
▲ or ▼ key	Used with the AMPL key when the unit is on stand-by to set the amplitude of vibration of the ultrasonic horn. Also used to increase or decrease the amplitude in small increments while the unit is running. To accomplish this task, depress the ENTER/REVIEW key twice to display AMPLITUDE CONTROL, then depress the ▲ or ▼ key as required.

**Note:** Actual programming of the sonicator is quick and easy. Contact Qsonica for a brief tutorial on programming time and amplitude settings.