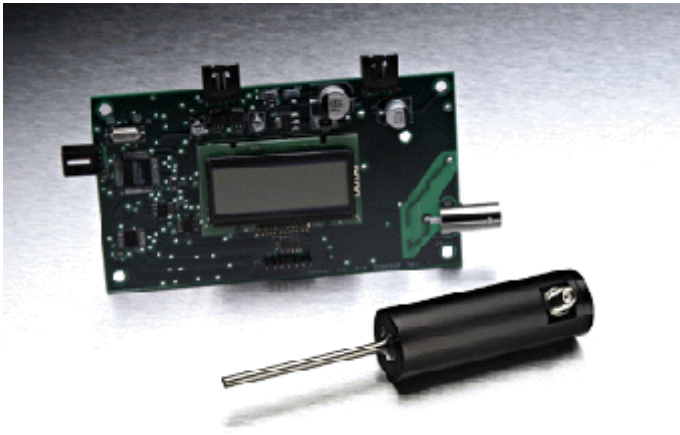


25 kHz Digital Ultrasonic Processor



SONIC ENERGY

Sonaer's S900PIEZO digital ultrasonic processor is a small compact 25kHz ultrasonic generator PCB and probe for ultrasonic processing of liquids.

Microprocessor operated, Sonaer's ultrasonic processor can be used to enhance specialized processes that use sonic energy.

The frequency, the power to the probe and additional functions are displayed for the operator. Functions include, ultrasound time, pulse width modulation, contrast adjustment, power in Watts, J/S and dBm. PWM settings is included to keep sensitive solutions cool and timer control for ultrasonic energy control applications. Inputs are also available to control the power with either a 0 to 5 volt signal or use the on-board five volts to connect a potentiometer. The PCB output connector is a BNC type feeding the ultrasonic transducer through a small SMA type connector.

SMALL SIZE POWERFUL



Sonaer's ultrasonic generator board is small size, measuring only 5 inches by 2 ¾ inches with surface mount components throughout.

Mounting holes and connectors are provided for easy configuration. The connectors are for power to the board, and external control.



The 25kHz probe is also small in size, measuring only 4 ½ inches long and less than 7/8 inch diameter. The probe tip is 2 inches long, 1/8 inch diameter made of a

titanium alloy making it useful with many types of solutions.

Sonaer is able to accommodate customers who require specialized probes for applications that require sonic energy. These probes can be smaller in size, with orifices for either aspiration or atomization. These probes will easily adapt to the S900PIEZO board and can be controlled easily.

If additional features are required from our device, Sonaer's engineers will be able to help with the design and software needed.

For additional information about our products, please call or visit our website below.