

# 25 kHz Ultrasonic Processor

*Battery Operated with Integrated Generator and Probe*



**Excellent Reach for Difficult Applications**



1/8 inch Probe Tip

The SONOZAP Model 4180 comes with a standard 1/8 inch probe tip, capable of producing an ultrasonic intensity of 100 Watts per square centimeter, 70  $\pm$  5 microns stroke. Probe tip is six inches long, making it useful in regions where most probes cannot perform.

## Ultrasonic Technology

The 25 kilohertz ultrasonic processor incorporates the latest advances in circuit and converter design. The generator includes features such as automatic tuning, power upon demand, overload protection, variable stroke control, and many other features that make this product easy to use "right out of the box". This ultrasonic processor finds wide applications in diversified areas as disintegration, homogenization or emulsification. Its vibration energy emitted from its aerospace titanium 6Al-4V alloy is inert to many corrosives, and can even be used to cut through tissue.

## SPECIFICATIONS

- ~ Maximum Output Intensity: 100 Watts/ sq. Cm
- ~ Mechanical Stroke, maximum: 70 microns  $\pm$ 5
- ~ Frequency Range: 25kHz  $\pm$ 2000Hz
- ~ Tip Material: Titanium 6 Al-4 V
- ~ Probe Weight: 12 oz.
- ~ Tip Length: 6 in.
- ~ Hand Piece Length: 6.75 in.
- ~ Hand Piece Diameter: 1.75 in.
- ~ Hand Piece Material: ACETAL
- ~ Battery Life Before Charges: 20 minutes
- ~ Automatic Tuning
- ~ Variable Stroke Control: 0-70 microns
- ~ Overload Protection
- ~ Power Upon Demand
- ~ Solid State Power Selector
- ~ LED Indicator
- ~ 300 m A Charger
- ~ One Year Warranty

**W**ith the 25 kilohertz ultrasonic processor, liquid processing is easier than ever! Simply charge the batteries and you are ready to SONOZAP samples without dedicating the device to a bench top outlet or waiting for the unit to self test before using.

To Order, call SONAER at (800) 890-7215, (631) 756-4780 or FAX (631) 756-4775

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