



We've Given Our New Ultrasound Universal Appeal.


The Sonicator 730 is the one ultrasound that appeals to clinicians everywhere.

With four interchangeable applicators in 1 and 3 MHz frequencies, it provides the flexibility to perform virtually any ultrasound therapy. What's more, the 730 is built to meet all international safety standards, making it a true world-class performer.

Lightweight and easy to operate, the Sonicator 730 features self-tuning circuitry that automatically senses the correct transducer size, frequency and characteristics.

No user adjustment is required. Just enter the treatment parameters and begin.

For exceptional reliability, we designed the Sonicator 730 using advanced surface mount technology.

Then we backed  it with a two-year limited warranty.* We've even simplified cable replacement. Each applicator uses a detachable, universal cable for easy on-site replacement.

So why settle for something less appealing? Get the state-of-the-art portable that does it all. Call 1-800-854-9305 for the name of a Sonicator 730 dealer near you.

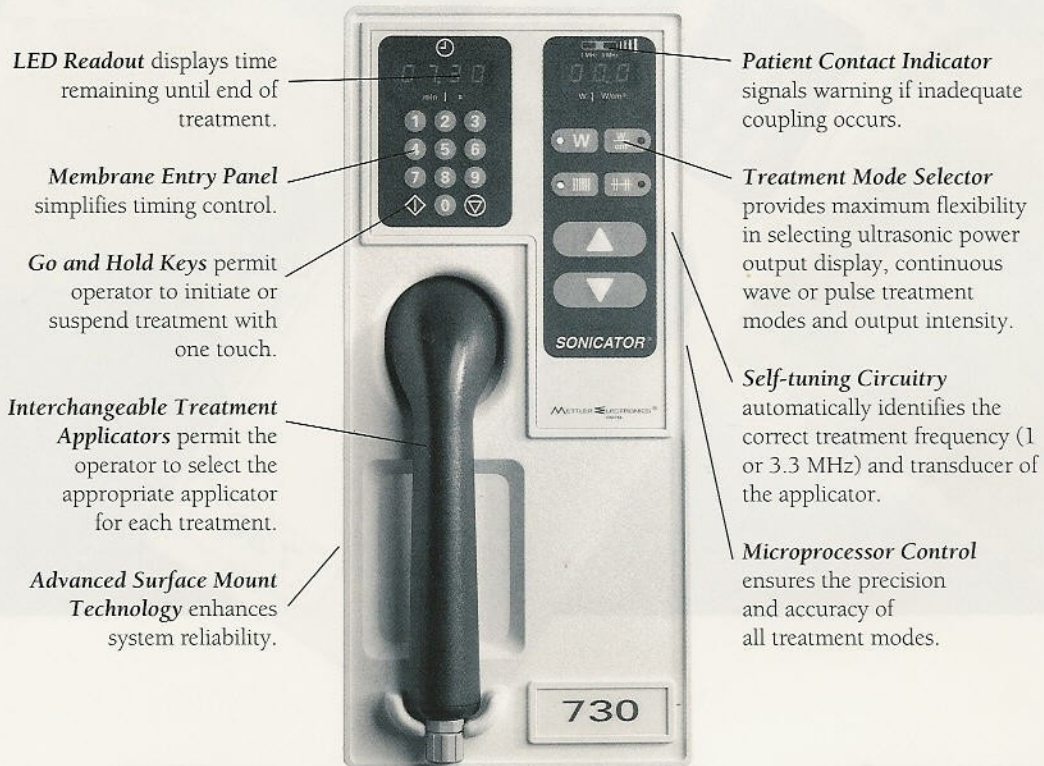
METTLER ELECTRONICS®

*One year on applicators. Copyright 1994, Mettler Electronics Corp. All Rights Reserved. Sonicator is a registered trademark of Mettler Electronics Corp.



Sonicator® 730

World-Class Performance and Flexibility.



LED Readout displays time remaining until end of treatment.

Membrane Entry Panel simplifies timing control.

Go and Hold Keys permit operator to initiate or suspend treatment with one touch.

Interchangeable Treatment Applicators permit the operator to select the appropriate applicator for each treatment.

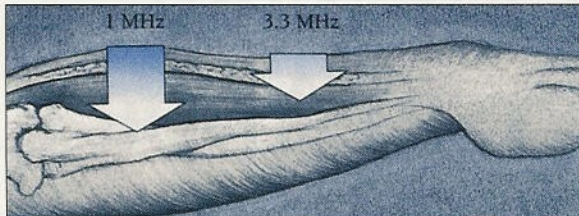
Advanced Surface Mount Technology enhances system reliability.

Patient Contact Indicator signals warning if inadequate coupling occurs.

Treatment Mode Selector provides maximum flexibility in selecting ultrasonic power output display, continuous wave or pulse treatment modes and output intensity.

Self-tuning Circuitry automatically identifies the correct treatment frequency (1 or 3.3 MHz) and transducer of the applicator.

Microprocessor Control ensures the precision and accuracy of all treatment modes.



Arrows indicate the relative depth of ultrasound penetration between 1 MHz and 3.3 MHz frequencies.



Add a Mettler Treatment Cart to create a complete mobile therapy center.



The Sonicator 730 may be used to deliver combination therapy with any Sys*Stim electrical neuromuscular stimulator.

Specifications

Ultrasonic Generator

Input:	115 VAC, 50/60 Hz, 0.6 amps max.
Size:	4.3" (H) x 6" (D) x 13.4" (L)
Weight:	5.1 pounds
Modes:	Continuous Pulsed-20% Duty Cycle
Pulse Repetition Rate:	100 Hz \pm 20%
Pulse Duration:	2 msec \pm 20%
Maximum Output Power:	22 W with a 10 cm ² applicator 11 W with a 5 cm ² applicator 2.2 W with a 1 cm ² applicator
Maximum Intensity:	2.2 W/cm ² with all applicators

Ultrasonic Applicator

Piezoelectric Disc: The output transducer utilizes a barium titanate disc with a special coated face.

Sonicator 730 Applicator Specifications

Model #	Frequency	Effective Radiating Area
ME7305	1 MHz \pm 10%	5 cm ² \pm 20%
ME7310	1 MHz \pm 10%	10 cm ² \pm 20%
ME7331	3.3 MHz \pm 10%	1 cm ² \pm 20%
ME7335	3.3 MHz \pm 10%	5 cm ² \pm 20%

Maximum beam non-uniformity ratio: 6:1

Patent Numbers: 4,966,131 and 5,095,890

METTLER ELECTRONICS®
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