



Mettler Electronics Corp.

# Therapeutic Equipment for Medical Professionals



# History

Next to Disneyland, few companies have as rich a history of innovation and longevity in Anaheim, CA as Mettler Electronics. Founded in 1957 by engineer and inventor, Hal Mettler, the family firm is a world leader in portable ultrasound and electro-stimulation therapy equipment used in sports medicine, physical therapy, chiropractic and podiatric health care.

Hal Mettler introduced his company and groundbreaking Sonicator® 700 in June of 1957, with its unheard of price of \$199.50. Because the new device was so affordable and portable, it revolutionized ultrasound therapy, making it readily available to a wide range of doctors, therapists and patients. With the new Sonicator, therapists could move the machine easily between treatment settings to reach any patient requiring therapy. It was an engineering breakthrough on the order of the transistor radio.

Mettler Electronics has sold over 150,000 ultrasound units since the introduction of the original Sonicator.

Following the success of the Sonicator, a rapid succession of Mettler product innovations followed, including Shortwave Diathermy, Ultrasonic Cleaners and portable Muscle Stimulators.



Mark, Steve and Matt Mettler



Hal Mettler - 1960

Hal Mettler was awarded a total of fifteen patents for his ideas.

Today the Mettler family maintains his commitment to innovation. Under the direction of Steve, Mark and Matt Mettler, Mettler Electronics engineering group continues to update and improve the products while maintaining an active new product development program. The result is a state of the art product line – with microprocessors replacing the original tube and transistor circuits – for enhanced performance and reliability.



Hal Mettler

Fifty five years later Mettler Electronics continues to be an industry leader manufacturing and selling products to over 65 countries though-out the world. According to Steve Mettler, the reason that customer loyalty is so high is because... "customers know that Mettler products represent quality and value. When they buy a Mettler Sonicator, Sys\*Stim® or Auto\*Therm®, they know they are buying a product that is 'sure to work' for years to come."

## Quality at Mettler Electronics Corp.

The goal of Mettler Electronics is to become more competitive with respect to quality, cost and delivery of medical products that conform to established requirements and reasonable expectations for continuous quality improvement.

Implementation of the quality program is a team effort, from the president of the company down to the personnel on the manufacturing floor. The result is that all groups involved follow orderly procedures from the new product concept phase through the delivery and use of our products.

As a result of diligent efforts to meet all applicable quality and regulatory requirements, Mettler Electronics Corp. is authorized by VTT Expert Services LTD to place the CE mark on listed products. Mettler is certified to be compliant with EN ISO 13485:2003 and MDD 93/42/EEC Annex II requirements. In addition, Mettler is certified by DQS Medizinprodukte GMBH to be compliant with ISO 13485:2003 (CMDACS) Canadian Medical Device requirements.

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# Therapeutic Ultrasound

## Sonicator® Therapeutic Ultrasound

In 1957 Mettler Electronics Corp. revolutionized the therapeutic ultrasound industry with the Sonicator. Portable and lightweight, it was the first of its kind. Still today, 150,000 units later, the Sonicator is the standard in therapeutic ultrasound devices. All current Sonicator devices feature detachable applicator cables, continuous and pulsed modes, built-in applicator cradles and a two-year limited warranty with one-year warranties on the applicators and cable.

### Direct Crystal-to-Patient Contact

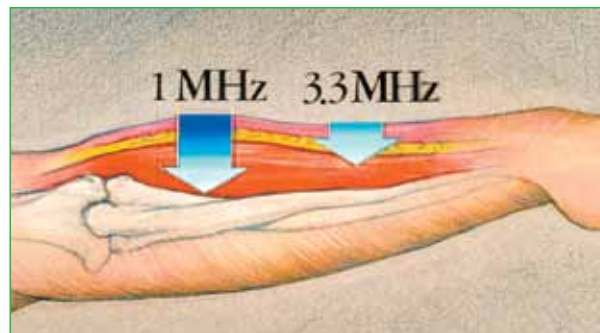
All Sonicator 740 ultrasound applicators feature unique crystal-to-patient technology that delivers ultrasound directly to the patient without a metal interface as well as watertight characteristics for underwater therapy.

### Depth of Penetration

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

### Contact Monitoring

The 5 and 10 cm<sup>2</sup> applicators feature a bright blue contact indicator so that the clinician can monitor ultrasound coupling from both the applicator and the unit during treatment using either the indicator on the applicator or the unit itself.



### Sonicator® 740x

The Sonicator 740x has all the features of the Sonicator 740 but comes standard with all three available applicators—a 5 cm<sup>2</sup> dual frequency applicator, a 10 cm<sup>2</sup> / 1 MHz applicator and a 1 cm<sup>2</sup> / 3.3 MHz applicator. All three applicators can be stored on the unit itself to keep them available at all times. The optional rechargeable battery pack that allows you to take therapy on the road.

**Weight:** 3.75 lbs. (1.7 kg.) without battery  
4.5 lbs. (2.0 kg.) with battery

**Dimensions:** 13.5 in. (L) x 9.5 in. (W) x 7 in. (H),  
(34 cm (L) x 24 cm (W) x 18 cm (H))



\*Ultrasound Accessories on page 33

# Therapeutic Ultrasound

# The Sonicator® 740

**A dual frequency  
therapeutic ultrasound that  
comes with a 5 cm<sup>2</sup> dual  
frequency applicator**

The Sonicator® 740 is light-weight and portable and features a universal applicator cable to make changing applicators quick and easy. There is an optional rechargeable lithium ion battery pack that truly allows you to take therapy on the road with you. Large soft-touch controls set up treatments quickly and easily with a backlit display showing all treatment parameters and conditions.

**Weight:** 3.75 lbs. (1.7 kg.) without battery  
4.5 lbs. (2.0 kg.) with battery

**Dimensions:** 13.5 in. (L) x 9.5 in. (W) x 7 in. (H)  
(34 cm (L) x 24 cm (W) x 18 cm (H))

**Warranty:** 2 years, 1 year on applicators



## Features

- Sleek new design
- Easy-to-see backlit display
- Soft-touch controls
- Blue coupling indicator on the 5 and 10 cm<sup>2</sup> applicators
- Optional battery
- A place to store all three applicators on the unit at the same time
- Universal applicator cable
- Increased pulse mode options – 10, 20, 50 and 100%
- Continuous monitoring of performance with diagnostic error codes

**\*Ultrasound Accessories on page 33**



For more information go to  
[www.MettlerElectronics.com](http://www.MettlerElectronics.com)  
or call 1 (800) 854-9305



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# Therapeutic Ultrasound

## Sonicator® 718

Revolutionary New Hand-Held Ultrasound Mettler Electronics' newest therapeutic ultrasound is the Sonicator® 718. This full-powered (2 W/cm<sup>2</sup> continuous, 3 W/cm<sup>2</sup> pulsed), new ultrasound is so portable that it fits into the palm of your hand. To get your wall-power-free experience started, it will come with a rechargeable lithium ion battery and a charger. When you are in the clinic, you can also treat patients using power from the wall. Optional items include a handy pouch with a shoulder strap for use in the field as well as a stand for use in the clinic.



- Small portable size
- Full clinical power
- Contact indicator
- One-hand operation
- Waterproof
- Rechargeable battery (included)
- Organic EL (electro-luminescent) display

**Weight:** 7.1 oz. (200 g)

**Dimensions:** 5.3 in. (H) x 2.3 in. (W) x 2.2 in. (D), (13.4 cm (H) x 5.9 cm (W) x 5.5 cm (D))

**Warranty:** 2 years



### Sonicator 718 and 719 Specifications

<b>Power supply</b>	AC 100-240 V 50/60 Hz or Rechargeable Battery (optional)
<b>Battery</b>	Lithium ion, 7.4 VDC (Model No.:7184)
<b>Power Consumption</b>	50 VA, (17 VA, Sonicator 719)
<b>Ultrasound Frequency</b>	1.0 MHz, (3.0 MHz, Sonicator 719)
<b>Intensity (max)</b>	2.00 W / cm <sup>2</sup> ± 20% continuous or 3.00 W / cm <sup>2</sup> ± 20% pulsed
<b>Duty</b>	5%, 10%, 20%, 30%, 40%, 50%, 100%
<b>Pulse frequency</b>	100Hz ± 5%
<b>Timer</b>	30 min. ± 1 min.
<b>ERA</b>	5.5 cm <sup>2</sup> , (0.9 cm <sup>2</sup> , Sonicator 719)
<b>BNR</b>	3.5, (3.6, Sonicator 719)
<b>Classification</b>	Class I / Internally powered equipment, Type BF

## 718

Sonicator 718, 1 MHz, 5.5 cm<sup>2</sup>, portable ultrasound complete with portability package that includes:

- rechargeable battery (7184)
- battery charger (7185)
- power cable (7187)
- battery case (7188)



## 719

Sonicator 719, 3.3 MHz, 0.9 cm<sup>2</sup>, portable ultrasound complete with portability package that includes:

- rechargeable battery (7184)
- battery charger (7185)
- power cable (7187)
- battery case (7188)



## Accessories

Item#	Description
<b>7180</b>	Protective cap for 718 applicator
<b>7190</b>	Protective cap for 719 applicator
<b>7181</b>	AC Adaptor for 718/719
<b>7183</b>	Power Cable for AC Adaptor (7181), (110–120 V)
<b>7184</b>	Rechargeable Battery
<b>7185</b>	Battery charger
<b>7187</b>	Power Cable for Battery Charger (7185), (110–120 V)
<b>7188</b>	Battery case for 7183

## Optional Accessories

Item#	Description
<b>7189</b>	Unit stand for 718/719
<b>7191</b>	Pouch for 718/719



# Neuromuscular Stimulation

## Sys\*Stim® Neuromuscular Stimulators

Since the first ME 200 muscle stimulator was introduced in 1973. The Sys\*Stim® line of electrical neuromuscular stimulators has provided value. Each Sys\*Stim stimulator is easy-to-use and has a variety of features that include today's most popular waveforms, programmable output modes and portability.

### Sys\*Stim® 206

The Sys\*Stim 206 is a one-channel neuromuscular stimulator that features four different waveforms in a light-weight package. The narrow pulse is suited for TENS while the wide and AC pulses can be used for muscle stimulation. Direct Current can be used for stimulating denervated muscles or performing iontophoresis. The Sys\*Stim 206 is an ideal companion to the Sonicator 740 for combination therapy.

**Weight:** 5.6 lbs. (2.5 kg.)

**Dimensions:** 4.3 in. (H) x 6 in. (D) x 13.4 in. (L)  
(11 cm (H) x 15 cm (D) x 34 cm (L))

**Warranty:** 1 year



### Sys\*Stim® 226

The Sys\*Stim 226 provides the flexibility to meet virtually any clinical need and has unprecedented ease of operation. Clinicians can choose from a broad range of waveforms, including Interferential, Pre-modulation, Medium Frequency and Biphasic with adjustable phase duration and frequency. Additional versatility is provided by a selection of treatment modes that include Surge, Reciprocation, Surge with Reciprocation and Vector Rotation. The Sys\*Stim 226 can be set up in the two-timer mode so two separate treatment protocols or two separate patients may be treated simultaneously.

**Weight:** 4.8 lbs. (2.2 kg.)

**Dimensions:** 4.3 in. (H) x 6 in. (D) x 13.4 in. (L)  
(11 cm (H) x 15 cm (D) x 34 cm (L))

**Warranty:** 2 years



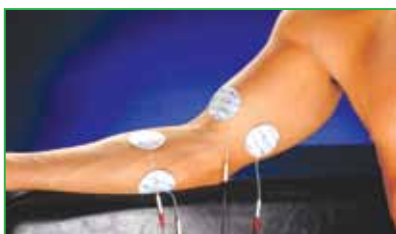
### Sys\*Stim® 294

The Sys\*Stim 294 is a four channel neuromuscular stimulator with six stimulation waveforms: Interferential, Pre-modulation, Medium Frequency, Biphasic, High Volt and Microcurrent. Up to four different treatment protocols or four different patients may be treated simultaneously giving maximum treatment flexibility. The Sys\*Stim 294 has soft-touch control knobs to allow the clinician to adjust the stimulation intensity with confidence.

**Weight:** 9.4 lbs., (4.3 kg.)

**Dimensions:** 5 in. (H) x 14.5 in. (D) x 10 in. (L)  
(12.7 cm (H) x 36.8 cm (W) x 25.4 cm (D))

**Warranty:** 2 years



# Neuromuscular Stimulation

# The Sys\*Stim® 240



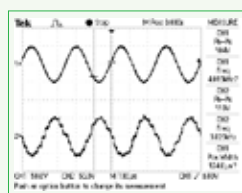
The new Sys\*Stim® 240 neuromuscular stimulator features nine discrete waveforms designed to facilitate clinical versatility. Waveforms may be combined with on-off programs for neuromuscular education as well as frequency and amplitude modulation programs for optimal pain management. New touch-sensitive technology has been used to make starting a treatment easy. The high-resolution color display with crisp text and graphics, allows you to monitor all treatment parameters continuously. The patented M-Wheel™ provides easy navigation through all of the menus.

## Interferential Sinewave

Mettler Electronics\*

Competition

\* Precise waveform generator



**Weight:** 4.5 lbs., 5.5 lbs. with battery,  
(2.0 kg., 2.5 kg. with battery)

**Dimensions:** 13 in. (L) x 8 in. (W) x 8 in. (H),  
(33 cm (L) x 20 cm (W) x 20 cm (H))

**Warranty:** 2 years



## Features

- 9 Stimulation waveforms
- Optional laser or cluster light therapy
- Controls using touch-sensitive technology
- Patented M-Wheel™ for adjusting parameters
- Bright color display
- Memory for user-defined protocols
- Optional battery pack
- Translated into 8 languages



Protocols are designed to show treatment parameter, setup instructions and electrode placements all on one screen.



For more information go to  
[www.MettlerElectronics.com](http://www.MettlerElectronics.com)  
or call 1 (800) 854-9305

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# Neuromuscular Stimulation

## Light Therapy Overview

The Mettler Electronics Sys\*Stim® 240 has an optional light therapy accessory. The clinician can choose from the cluster or the laser applicator package. The packages contain everything needed for light therapy including the applicator cradle with mounting hardware as well as protective glasses to protect the patient and the clinician from exposure to the high-intensity light emitted by the applicators.

The light therapy option provides therapeutic infrared light for temporary increase in blood circulation, temporary relief of minor muscle and joint aches, pains and stiffness, temporary relaxation of muscles and temporary relief of minor pain and stiffness associated with arthritis. The laser probe has a GaAs Diode that emits infrared coherent light at 785 nm. Blue LEDs at 470 nm illuminate the treatment field to show the clinician where the laser is pointed. The SLD/LED cluster probe, with 950 nm SLDs and 660 nm LEDs is also available.

All of the controls for light therapy are already installed on the Sys\*Stim 240. The clinician only needs to purchase the accessory package and plug in the applicator to activate the light therapy capabilities. And like the stimulator portion of the device, there are treatment suggestions along with parameters and treatment illustrations.

- Plug and play light therapy
- Control intensity or repeat treatments from the applicator
- 500 mW cluster and/or 80 mW laser
- Treatment protocols available
- Memory for user-defined protocols
- Protective eye glasses included



## Light Therapy Optional Packages

2407 Laser and cluster applicator kit includes:

- Laser applicator, 785/470 nm, 80 mW (2401)
- Cluster applicator, 950/550 nm, 500 mW (2402)
- Applicator holder (left) with mounting hardware (2410)
- Applicator holder (right) with mounting hardware (2411)
- One pair of protective Uvex glasses X2 (5403)

Packages for just the laser or the cluster applicator are available. These include 2 pairs of protective glasses and an applicator holder with mounting hardware.



## Optional Light Therapy Specifications

<b>Output Power</b>	Dependent on Applicator ( <i>automatically sensed</i> )
<b>Laser diode applicator:</b>	80 mW at 785nm
<b>Cluster applicator:</b>	500 mW at 660/950nm
<b>Delivered energy:</b>	0.01 to 99.99 Joules
<b>Operation modes:</b>	Continuous and Pulsed
<b>Pulse mode:</b>	
<b>Pulse width:</b>	
Laser	100 us nominal
Cluster	50% duty cycle
<b>Pulse frequency:</b>	
A )	Continuous
B )	10 Hz, 25 Hz, 50 Hz, 100 Hz, 250 Hz, 500 Hz, 1 kHz, 2.5 kHz, 5 kHz (Pulses per Second)
C )	Sweep from 10 to 5 kHz in 10 seconds
<b>Timer</b>	0 to 99 minutes 59 seconds, 1 second increments (decrementing). Audible signal and output termination at time expiration

# Neuromuscular Stimulation

## The Sys\*Stim<sup>®</sup> 228

NEW



The new Sys\*Stim 228 neuromuscular stimulator features 4 discrete waveforms designed to facilitate clinical versatility. The Sys\*Stim 228 provides the flexibility to meet virtually any clinical need and has unprecedented ease of operation. Clinicians can choose from a broad range of waveforms, including Interferential, Pre-modulation, Medium Frequency (Russian Stim) and Biphasic with adjustable phase duration and frequency. Additional versatility is provided by a selection of treatment modes that include Surge, Reciprocation, Surge with Reciprocation and Vector Rotation. The Sys\*Stim 228 can be set up in the two-timer mode so two separate treatment protocols or two separate patients may be treated simultaneously.

**Weight:** 4.9 lbs. (2.2 kg)

**Dimensions:** 13 in. (L) x 8 in. (W) x 8 in. (T),  
(33 cm (L) x 20 cm (W) x 20 cm (T))

**Warranty:** 2 years

CE 0537

### Features

- 4 stimulation waveforms
- Easy to navigate user interface
- Bright color LED display
- Two independent timers

### SPECIFICATIONS

<b>Input:</b>	115 VAC $\pm 10\%$ , 50/60 Hz, 0.4 Amp Nom.
<b>Operating Temperature:</b>	+50°F to +131°F
<b>Humidity:</b>	Operating, 30% to 75% Relative Humidity at 104°F Nonoperating, up to 90% Relative Humidity at 149°F
<b>Storage Temperature:</b>	-40°F to 167°F
<b>Maximum treatment time:</b>	1-60 minutes
<b>Waveforms:</b>	Interferential, Premodulated, Medium Frequency (Russian), Biphasic
<b>Intensity:</b>	
Interferential	0-65 mA RMS
Premodulated	0-50 mA RMS
Medium Frequency (Russian)	0-50 mA RMS
Biphasic	0-99 mA peak



For more information go to  
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# Neuromuscular Stimulation

## Trio\*Stim™

The Trio\*Stim is a battery-operated, neuromuscular electrical stimulator. The Trio\*Stim features three therapeutic modes: TENS, Muscle Stimulation and Microcurrent. This two-channel unit allows you to provide a device for pain control with either TENS or Microcurrent stimulation or you can use the same device for muscle rehabilitation, re-education and spasm reduction.



*in the clinic*

**Weight:** 6.5 oz. (185 g.), with the battery installed  
**Dimensions:** 4.4 in. (H) x 2.7 in. (W) x 1.0 in. (D)  
 (113 mm (H) x 2.7 in (W) x 25 mm (D))  
**Warranty:** 2 years

## TENS 210 and 210T

The TENS 210 is an affordable two-channel battery-operated TENS unit that provides continuous, modulated and burst modes. Pulse frequency and width may be set independently. The TENS 210T also includes a timer that may be set to 30 or 60 minutes. Each unit comes with a carrying case, set of four V-Trode™ self-adhesive electrodes, a 9 volt battery and instructions.

**Weight:** 4 oz. (114 g.), battery included  
**Dimensions:** 3.7 in. (H) x 2.6 in. (W) x 0.9 in. (T)  
 (9.4 cm (H) x 6.6 cm (W) x 2.3 cm (T))  
**Warranty:** 1 year



## TENS 212

The TENS 212 is a two-channel digital TENS device that provides continuous, modulated and burst modes. Pulse frequency and width may be set independently. The large LCD is easy to see from any angle and provides a visual of all your waveform parameters. Each unit comes with a carrying case, set of four V-Trode™ self-adhesive electrodes, a 9 volt battery and instructions.



**Weight:** 5 oz. (140 g.), battery included  
**Dimensions:** 4.25 in. (H) x 2.4 in. (W) x 1 in. (T)  
 (9.4 cm (H) x 6.6 cm (W) x 2.3 cm (T))  
**Warranty:** 1 year



## Sys\*Stim® 208

The Sys\*Stim 208 is a single channel, low-volt stimulator with Surge, Pulse and Tetanize modes. It has easy-to-operate knobs that control stimulation intensity and frequency, a digital timer and a remote patient cut-off switch. It is a small, portable stimulator with a clinical appearance.



**Weight:** 2.0 lbs., (0.9 kg.)  
**Dimensions:** 2.5 in. (H) x 6 in. (D) x 8 in. (L)  
 (6.3 cm (H) x 15 cm (D) x 20 cm (L))  
**Warranty:** 2 years

## Sys\*Stim® 208A

The Sys\*Stim 208A is a two-channel, low-volt stimulator with Surge, Pulse, Tetanize and Reciprocation modes. It has easy-to-operate knobs that control stimulation intensity and frequency, a digital timer and a remote patient cut-off switch. It is a small, portable stimulator with a clinical appearance.

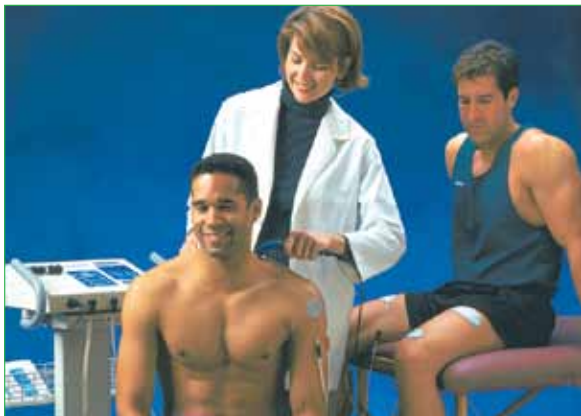


**Weight:** 2.25 lbs. (1.0 kg.)  
**Dimensions:** 2.5 in. (H) x 6 in. (D) x 8 in. (L)  
 (6.3 cm (H) x 15 cm (D) x 20 cm (L))  
**Warranty:** 2 years

# Combination Therapy

## Sonicator® Plus Combination Therapy

Sonicator Plus combination therapy units combine ultrasound with electrical stimulation in one compact package. These units combine the quality and ease of use embodied by the Sonicator therapeutic ultrasound and Sys\*Stim stimulator products. Multiple stimulation waveforms and dual frequency applicators for therapeutic ultrasound have been included in these units to increase their utility.



## Sonicator® Plus 994

The microprocessor-controlled Sonicator Plus 994 is a four channel combination unit. It combines 1 and 3 MHz ultrasound with six treatment waveforms: Interferential, Premodulated, Medium Frequency (Russian), Biphasic, High Volt and Microcurrent. A dual frequency 5 cm<sup>2</sup> applicator comes standard with the unit. Up to five different treatment protocols may be set-up simultaneously using different timers. Optional 1 and 10 cm<sup>2</sup> applicators are available for this unit.

**Weight:** 10.7 lbs. (4.9 kg.)

**Dimensions:** 5 in. (H) x 14.5 in. (D) x 10 in. (L)  
(12.7 cm (H) x 36.8 cm (W) x 25.4 cm (D))

**Warranty:** 2 years on unit, 1 year on applicator and cable



## Sonicator® Plus 992

The microprocessor-controlled Sonicator Plus 992 is a two channel combination unit.

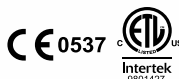
It combines 1 and 3 MHz ultrasound with six treatment waveforms: interferential, premodulated, medium frequency (Russian), biphasic, high volt and microcurrent. A dual frequency 5 cm<sup>2</sup> applicator comes standard with the unit. Up to three different treatment protocols may be set up simultaneously using different timers. Optional 1 and 10 cm<sup>2</sup> applicators are available for this unit.



**Weight:** 8.9 lbs. (4 kg.)

**Dimensions:** 5 in. (H) x 14.5 in. (D) x 10 in. (L)  
(12.7 cm (H) x 36.8 cm (W) x 25.4 cm (D))

**Warranty:** 2 years on unit, 1 year on applicator and cable



## Sonicator® Plus 930

The Sonicator Plus 930 features a 1 and 3 MHz, 5 cm<sup>2</sup> applicator for therapeutic ultrasound and the three most popular stimulation waveforms for the busy practice: Interferential, Premodulated and Medium Frequency (Russian). It has an easy-to-use membrane panel, designed to assist the clinician with quick set-up. You can start a treatment by selecting treatment parameters with as few as three keystrokes and adjusting intensity with a twist of a dial. The enclosure has a cradle to conveniently hold the ultrasound applicator between treatments. Up to three treatment protocols may be run simultaneously on three different timers.



**Weight:** 8.7 lbs. (4.0 kg.)

**Dimensions:** 6 in. (H) x 12 in. (W) x 12 in. (D),  
(15.2 cm (H) x 30.5 cm (W) x 30.5 cm (D))

**Warranty:** 2 years on unit, 1 year on applicator and cable



# The Sonicator® Plus 920

**A two-channel  
combination unit  
for therapeutic  
ultrasound and  
muscle stimulation**

The microprocessor-controlled Sonicator® Plus 920 provides interferential (4-pole), premodulated (2-pole interferential), medium frequency (Russian), EMS, high volt, TENS, microcurrent and DC waveforms. In addition, the Sonicator Plus 920 offers 1 and 3 MHz ultrasound using a dual frequency 5.5 cm<sup>2</sup> applicator. An optional dual frequency 0.9 cm<sup>2</sup> applicator is also available. This product allows clinicians to use up to two different waveforms using two channels simultaneously or independently. They can choose between several different amplitude modulation options such as the surge, reciprocation and vector sweep. The interferential and premodulated waveforms offer frequency modulation as well as a static frequency options.



**Weight:** 11 lbs. (5 kg)

**Dimensions:** 4.9 in. (H) x 13.6 in. (W) x 10.5 in. (D)  
(12.4 cm (H) x 34.5 cm (W) x 26.7 cm (D))

**Warranty:** 2 years on unit, 1 year on applicator and cable

## Features

- Touch screen Liquid Crystal Display just like the 940
- Combination ultrasound and stimulation, stimulation alone or ultrasound alone
- Up to three simultaneous treatments all with their own timers
- 8 treatment waveforms
- 1 and 3 MHz ultrasound
- Multiple amplitude and frequency modulation options
- 90 user defined programs
- Cart or carrying case available for mobile treatment
- Optional high voltage probe for manual stimulation
- Translated into 11 languages



For more information go to  
**[www.MettlerElectronics.com](http://www.MettlerElectronics.com)**  
or call 1 (800) 854-9305



**Mettler Electronics Corp.**

# Combination Therapy

# The Sonicator® Plus 940

***Combines the ease  
of use and quality of  
ultrasound units with electrical  
stimulator products in one  
compact package***

The microprocessor-controlled Sonicator Plus 940 is a touch-screen four-channel combination unit. It combines 1 and 3 MHz ultrasound with eight treatment waveforms: Interferential, Premodulated, Medium Frequency (Russian), EMS, High Volt, TENS, Microcurrent and Direct Current (DC). All waveforms are available on all four channels. A dual-frequency 5.5 cm<sup>2</sup>, 1/3 MHz applicator comes standard with the unit. The membrane panel and back-lit LCD touch panel allow the clinician to quickly setup treatment parameters. There are 61 preset programs and space for 80 user-defined programs. An optional 2 cm<sup>2</sup> dual-frequency applicator is also available.



**Weight:** 11 lbs. (5 kg)

**Dimensions:** 4.9 in. (H) x 13.6 in. (W) x 10.5 in. (D)  
(12.4 cm (H) x 34.5 cm (W) x 26.7 cm (D))

**Warranty:** 2 years on unit, 1 year on applicator and cable



## Features

- Touch Screen Liquid Crystal Display (LCD)
- 1 and 3 MHz ultrasound
- Four independent channels
- Eight stimulation waveforms
- Display simultaneously shows parameters and treatment status
- Applicators feature a coupling indicator
- 61 preset programs
- Multiple options for frequency and amplitude modulation
- 80 user-defined programs
- Optional high volt/direct current probe



**Mettler Electronics Corp.**

For more information go to  
[www.MettlerElectronics.com](http://www.MettlerElectronics.com)  
or call 1 (800) 854-9305

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# Shortwave Diathermy

## Auto\*Therm® Shortwave Diathermy

Since 1968 Mettler Electronics has produced shortwave diathermy (SWD) units that produce comforting deep heat in muscles and deep tissues. Shortwave diathermy is used when the clinician needs to provide deep heat to a larger area than normally covered by other heating modalities. The illustration to the right shows the relative penetration of various heating modalities.

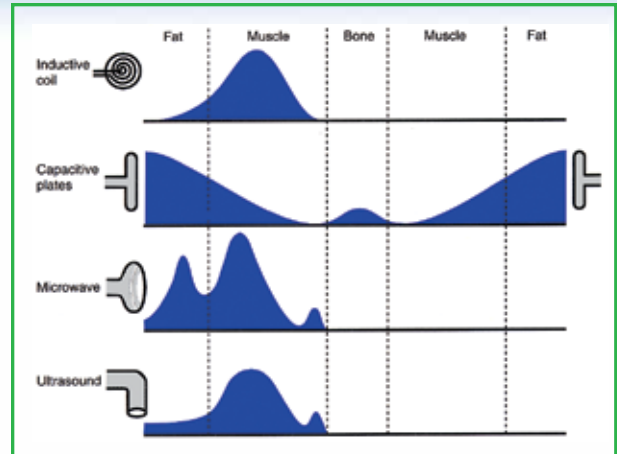
### Auto\*Therm 390

Auto\*Therm® 390 is a continuous and pulsed shortwave diathermy. This unit can be easily carried between treatment rooms or to the patient. The 390 utilized rubber plate capacitive electrodes. Capacitive electrodes are ideal for treating shallow areas and provide an affordable version of SWD. The basic unit comes with 2 soft-rubber capacitive applicators, 6 felt spacers, 2 cloth covers, 2 elastic straps, power cord and instructions.

**Weight:** 15 lbs. (6.8 kg)

**Dimensions:** 7 in. (H) x 14 in. (W) x 16.5 in. (D)  
(18 cm (H) x 36 cm (W) x 42 cm (D))

**Warranty:** 2 years, one year on applicators and accessories



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### Auto\*Therm 391

Auto\*Therm® 391 combines the ME 390 with an arm, 14 cm inductive coil applicator and heavy-duty cart with ample storage space. Using this model, you will be able to choose from two different modes of application—the deep penetration of inductive coil diathermy or the shallower capacitive plates.

**Weight:** 60 lbs. (27.3 kg)

**Dimensions:** 37 in. (H) x 19 in. (W) x 19 in. (D)  
(95 cm (H) x 48 cm (W) x 48 cm (D))

**Warranty:** 2 years, one year on applicators and accessories



# Shortwave Diathermy

## Auto\*Therm 395

The Auto\*Therm 395 features continuous and pulsed shortwave diathermy. This advanced unit has eight different treatment applicators available: three inductive coils applicators, three spaced capacitive sets and two soft, flexible plate electrodes. High performance, multi-jointed arms lock in place for ease of use and safety. Each Auto\*Therm 395 comes complete with two treatment arms, two 13 cm diameter capacitive applicators and cables and one 14 cm diameter inductive coil applicator and cable.

**Weight:** 99 lbs. (45 kg.)

**Dimensions:** 33.5 in. (H) x 15 in. (W) x 15.4 in. (D)  
(85 cm (H) x 38 cm (W) x 39 cm (D))

**Warranty:** 1 year

CE 0537

Item#	Description
3953	Soft rubber applicator set 1–3.1 x 5.5 in. (8 x 14 cm)
3955	3.1 in. (8 cm) diameter coil applicator without cable, 30 W max
3956	5.5 in. (14 cm) diameter inductive coil applicator without cable, 90 W max
3958	Triplode coil applicator with cable, 200 W max
3959	1.6 in. (4.2 cm) diameter capacitive applicator, 21 W max
3960	3.3 in. (8.5 cm) diameter capacitive applicator, 80 W max
3961	5.1 in. (13 cm) diameter capacitive applicator, 200 W max
3962	3.1 x 5.5 in. (8 x 14 cm) soft-rubber applicator, 21 W max
3963	4.7 x 7.1 in. (12 x 18 cm) soft-rubber applicator, 80 W max



\*Auto\*Therm 395 Accessories

# Light Therapy

## Laser Sys\*Stim® Therapeutic Laser and Light Therapy

Mettler Electronics advances the fight against pain using a therapeutic infrared laser that directs pain-relieving light deep into tissues. Super luminous diodes are also available to treat larger areas with soothing infrared light. Both forms of light energy produce temporary increases in blood circulation, temporary relief of minor muscle and joint aches, pains and stiffness, relaxation of muscles and temporary relief of minor pain and stiffness associated with arthritis.



## Laser Sys\*Stim® 540 Therapeutic Laser

The Laser Sys\*Stim 540 is an easy to use and affordable light therapy device. Purchase the control unit with either the laser probe for deep penetration, the cluster (infrared) probe for shallow penetration or purchase both probes together. The 540 has a laser probe with a GaAs Diode that emits infrared coherent light at 785 nm (810 nm, export only). The cluster probe operates at 950 nm (SLDs) and 660 nm (LEDs). Blue LEDs at 470 nm illuminate the treatment field to show the clinician where the laser is pointed while wearing the goggles. The control unit allows the clinician to set treatment time, continuous / pulse modulation modes and laser output energy.

All treatment parameters are displayed on the LED displays and controlled via the membrane keypad. There are holders integrated into the unit to store applicators when not in use. Laser output can also be adjusted via controls on the both the laser and cluster applicators. The Laser Sys\*Stim 540 comes standard with a battery for truly mobile light therapy and has the ability to store up to 10 custom protocols of your choice. You have three choices to choose from:

- Laser Sys\*Stim 540L – unit with laser probe
- Laser Sys\*Stim 540C – unit with cluster probe
- Laser Sys\*Stim 540LC – unit with both laser & cluster probe

**Weight:** 5.5 lbs. (2.5 kg)

**Dimensions:** 9.4 in. (W) x 4.7 in. (H) x 9.4 in. (D)  
(24 cm (W) x 12 cm (H) x 24 cm (D))

**Warranty:** 2 years on unit, 1 year on applicators and cables

CE 0537

## Laser Sys\*Stim Accessories

Item#	Description
5401	785 nm laser applicator (with three 470 nm LEDs)
5402	660/950 nm SLD/LED cluster applicator
5403	One pair of protective glasses
5404	810 nm laser applicator (with three 470 nm LEDs), CE only
5405	One set of 2 replacement keys



# Traction

# Neural-Flex® Decompression

MTD 4000 Traction head

Lateral motion decompression drive mount

Powered front and rear sections smoothly transition the patient to a centralized position

Adjustable tension spring

**Order Number:** ME 4100

**Weight:** 280 lbs. (127 kg)

**Dimensions:** 96 in. (L) x 28 in. (W) x 18 in. to 39 in. (T),  
(244 cm (L) x 71 cm (W) x 46 cm to 99 cm (T)

**Lift Capacity:** 400 lbs., (182 kg)

**Warranty:** 2 years, no warranty on fabric tears

## Key Features

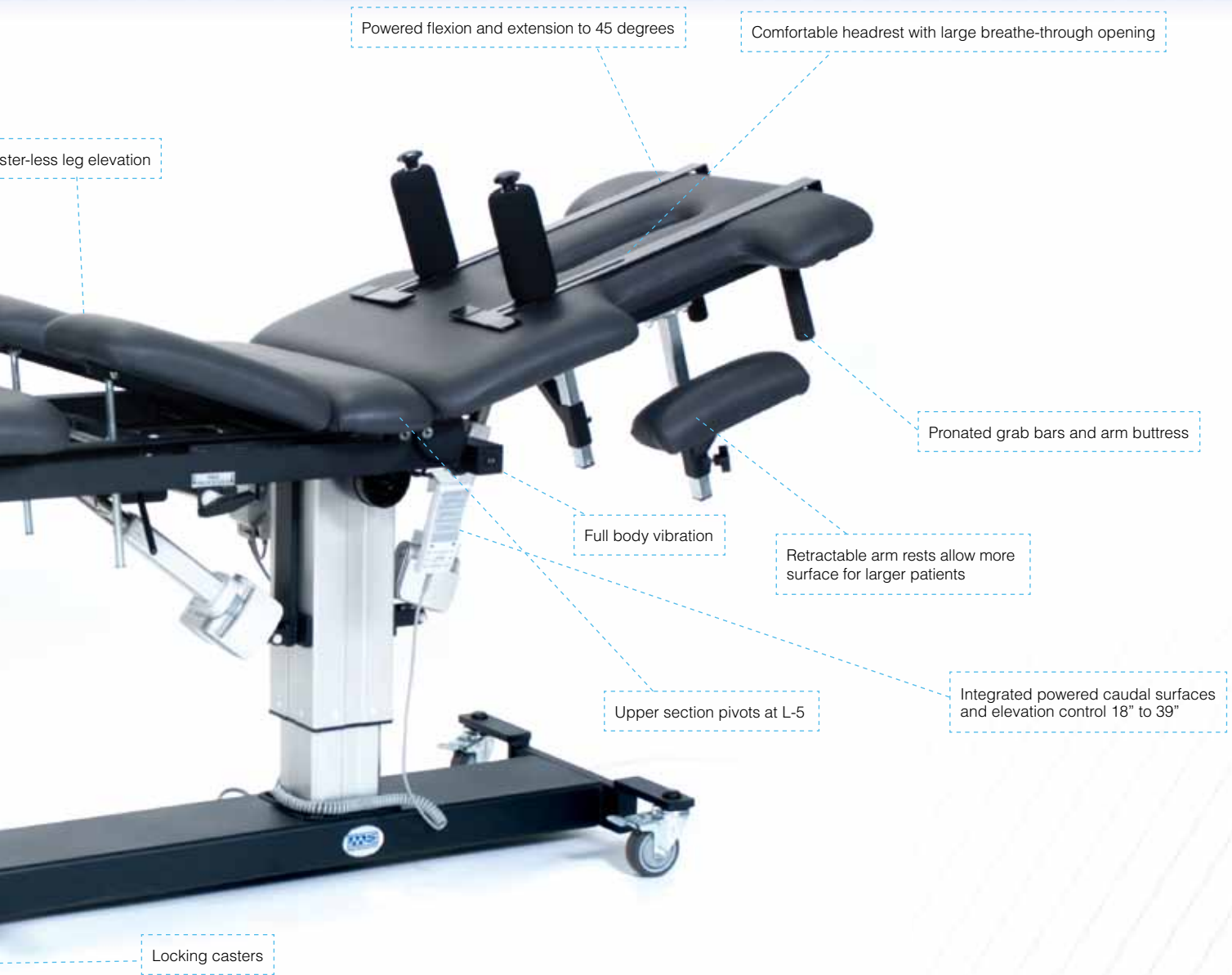
**Passive Tensioning  
Reactive Orthopedic  
Spring** (Patent Pending)



**Pronated Grab Bars  
and Arm Butress  
eliminates slippage**



**The Mettler  
Neural-Flex® Table**  
can be used for  
traditional manual flexion  
mobilizations as well.



## Neural-Flex® Prone Treatment

Only the Mettler Neural-Flex® table maintains an axial pull vector while allowing the patient's lower torso to be dropped into deep flexion. The flexion caudal section is fully powered for effortless transition to the pain relieving position.



# Traction

## Neural-Flex® Supine Treatment

- Deep Lumbar Flexion with Concomitant pelvic tilt.
- The Neural-Flex system pivots at L-5 allowing “true semi-fowler positioning” through automatic movement of the caudal sections using the hand held control.
- This allows deep flexion to create the mechanical positioning necessary to help centralize “atypically migrating” posterior discs.
- A lateral motor mount slide allows lateralization of pull for lateral hernia, scoliosis and facet syndromes. Leg elevation is achieved through the bolster-less design (Patent Pending).



## Gravity Assisted Supine

- The only decompression table system featuring bolster-less leg elevation with pelvic tilt which pre-tensions posterior elements.
- Axilla Posts hold the patient without the need of a “wing vest” upper belt.



## Neural-Flex® Extension

- Directional Preference Positioning
- Prone-“Reverse Hammock Positioning”
- Deep Lumbar extension with axial distraction
- Powered front and rear sections smoothly transition the patient to a centralized position.
- McKenzie practitioners have known for years that many posterior discs show a directional preference of extension to hyper extension. The Mettler Neural-Flex® system allows advanced prone extension directional reference positioning which takes advantage of typical migration patterns in posterior discs with respect to their gravitational bias towards the anterior in non-weight bearing posture. Once mechanical centralization occurs, (nuclear and peripheral) the enlivening effect of axial decompression has enhanced potency.





## Neural-Flex® Antalgic Positioning

- "Antalgic Positioning" preserves a comfortable position enabling a safe and gentle treatment for acute and antalgic patients who exhibit non-weight bearing relief postures.
- The fully powered caudal sections allow gentle and effortless positioning enabling you to treat the more acute patient with more confidence.

## Neural-Flex® Inversion with Whole Body Vibration

- Treat Thoracic problems... unload the "entire spine" equally by un-weighting with inversion.
- The Neural-Flex® system enables the patient with Thoracic problems to be effectively treated.
- Inversion has been shown to allow the un-weighting of the thoracic spine as well as the lumbar region.
- Whole body vibration may assist in the healing of damaged tissues as shown in various studies on the effects of vibration.



## Neural-Flex® Cervical Treatment

- The Mettler Traction Decompression System provides improved comfort while applying Decompression to the Cervical spine.
- The patent Pending mid-section elevation allows full support to the lumbar spine while lowering Thoracic Kyphosis.
- This biomechanically correct position enables a full range of cervical angulation. Patients with a defined directional preference can be positioned appropriately to allow cervical discs to migrate centrally without an increase in muscular tension.

# Traction

## Neural-Flex® Basic ME 4200

This table has a single high low motor with manual lumbar and thoracic extension. The table features include: retractable arm rests, neutral hand bars, bolster-less leg elevation system for supine treatment, friction free locking/unlocking lower section, adjustable tension spring and medical grade locking casters.

**Dimensions:** 98 in. (L) x 28 in. (W) x 43 in. (T)  
(250 cm (L) x 71 cm (W) x 109 cm (T))

**Weight:** 251 lbs. (114 kg)

**Warranty:** 2 years, no warranty on fabric tears



## Economy Traction ME 4300

Friction Free Lumbar Section Separates 5" and rolls on 4 Steel Ball Roller Bearings. The Rolling Section can be locked in any position with a positive gear rack system.

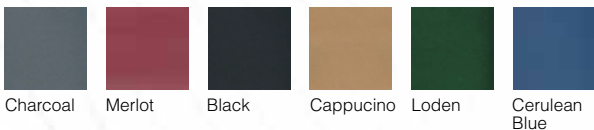
**Dimensions:** 99 in. (L) x 27 in. (W) x 37 in. (H)  
(251 cm (L) x 69 cm (W) x 94 cm (T))

**Weight:** 230 lbs., (104 kg)

**Warranty:** 18 months, no warranty on fabric tears



**All Mettler tables may be ordered in the colors below:**



## Accessories

- SlipStop™ Traction Blocks and cushions are included with the Neural-Flex System and the Neural-Flex Basic System.
- The Clinical Cervical Device is included with the Neural-Flex System and the Neural-Flex Basic System.
- Quick-Ease™ Lumbar belt System is included with all Mettler traction systems.



**Quick-Ease Lumbar Belt System**



**SlipStop Traction Blocks and cushions**

	Neural Flex	Neural Flex Basic	Economy
<b>Axilla Posts</b>	X		
<b>SlipStop™ Traction Blocks and cushions</b>	X	X	
<b>Clinical Cervical Device</b>	X	X	
<b>Quick-Ease™ Lumbar belt System</b>	X	X	X



**Clinical Cervical Device**

**Axilla posts**

# MTD 4000

The MTD 4000 (Mettler Traction Decompression) system is an easy to use device that offers static and intermittent traction with user definable hold, rest, and treatment times. It gently pulls the cervical spine or lumbar spine in opposite directions to draw the soft tissue around the cervical or lumbar joints and separate the distance between bone sections of the vertebra.

The MTD 4000 may be used to help relieve peripheral radiation/sciatica and pain associated with: protruding discs, spinal root impingement, bulging discs, hypomobility, herniated discs, degenerative joint disease, degenerative disc disease, facet syndrome, posterior facet syndrome, compressions fracture, acute facet problems, radicular pain, discogenic pain and prolapsed discs.

**Dimension:** 14.2 in. (L) x 12.2 in. (W) x 9 in. (T)  
(36 cm (L) x 31 cm (W) x 22.5 cm (T))

**Weight:** 32 lbs., (14.5 kg)

**Warranty:** 2 years

CE 0434



## Features

- Easy to use
- Active displays show all treatment parameters and progress.
- Multiple sensors and safety controls
- High strength traction cable
- Adjustable Hold/Rest times
- Continuous and Intermittent traction with multiple speed selection
- Smooth, quiet operation
- Two-year limited warranty
- Mounts to almost any table platform



For more information go to  
[www.MettlerElectronics.com](http://www.MettlerElectronics.com)  
or call 1 (800) 854-9305



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CPM

# CPM 8000

**Mettler Continuous Passive Motion**

*Introducing the Mettler CPM 8000. It provides complete Automatic motion of the knee. It is ideal for all kinds of knee CPM patients including orthopedic, pediatric and bariatric.*



## SPECIFICATIONS

<b>Input:</b>	100 to 230 VAC , 50/60 Hz
<b>Weight:</b>	33 lbs., (15 kg)
<b>Dimensions:</b>	47" x 12" x 16.5", (120 x 30 x 42 (cm))

**Treatment Time:** Continuous

### Speeds

Min. (100%)	70 s $\pm$ 10% (- 10° to 120 °) 75 s $\pm$ 10% (120 ° to - 10°)
Mean (60%)	120 s $\pm$ 10% (- 10° to 120 °) 120 s $\pm$ 10% (120 ° to - 10°)
Max. (30%)	240 s $\pm$ 10% (- 10° to 120 °) 250 s $\pm$ 10% (120 ° to - 10°)

**Working Angles:** - 10° (  $\pm$  2° ) to 120° (  $\pm$  2° )

**Range of Motion: (ROM)**  
For H = 8 from -10° to 120 °  
For H = 5 from -10° to 115 °  
For H = 0 from -10° to 110 °

## Features

- Easy to use
- Adjustable
- Patient lock-out
- Wide carriage for all sizes of patients
- 2 Year Warranty
- Programmable
- Reversible footplate
- Easy to use LCD control unit



CE 0499



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## G5® Massage Machines

G5 massage machines have been sold and used successfully for over 50 years. G5 massage machines are the only massagers with Directional Stroking®, rather than “thumping”. G5 massage machines provide very deep, penetrating massage. They are reliable, durable and quiet. It can be equally effective when used over towelings or clothing, and won't tangle in hair. Using G5 massage machines over a hot pack or cold pack appears to drive in the heat or cold.

### G5®Plus™

The G5 Plus is the newest massager in a long line of clinical models. It features modern design with a digital display that shows speed and time. Speed is adjustable from 15 to 60 cycles per second (CPS). The G5 Plus maintains its velocity, regardless of load. The cart has a pneumatically-balanced height control that allows easy adjustment from 34" to 46". The G5Plus is ideal for physical therapy clinics and sports medicine. It helps in trigger point reduction, treatment of muscle spasm and pain relief. It's a powerful and quiet machine, perfect for busy clinics.



**Item#:** ME610

**Dimensions:** 18 in. (W) x 22 in. (D) x 34 in. to 46 in. (H),  
(46 cm (W) x 56 cm (D) x 86 cm to 117 cm (H))

**Weight:** 40 lbs. (18 kg)

**Warranty:** 3 years

**G5 Pro Package (60001)** – Includes Large Sponge Applicator, Multiple-Prong Applicator, Four-Ball Applicator, Pointed-Tip Applicator, Large Round Firm Rubber, Curved Sponge Applicator, Medium Disposable Applicator Covers, Large Disposable Applicator Covers

### G5®GBM®

This hand-held massager provides 15 to 55 CPS. It is ergonomically designed to reduce hand vibration. This allows you to do multiple treatments in the same day without fatigue. The G5 GBM incorporates power and mobility in a small unit that fits in a travel bag. Simple to operate, just turn the knob and gradually go from lower to higher speeds. It is perfect for light-duty clinical treatments or home use.

**Item#:** ME600

**Dimensions:** 10 in. (W) x 4 in. (D) x 4 in. (H)  
(25 cm (W) x 10 cm (D) x 10 cm (H))

**Weight:** 3 lbs. (1.4 kg)

**Warranty:** 1 year

**G5 Pro Port Package (60002)** – Includes Four-Ball Applicator, Two-Ball Applicator, Pointed-Tip Applicator, Large Round Firm Rubber, Curved Sponge Applicator, Medium Disposable Applicator Covers, Large Disposable Applicator Covers.



# APT PLUS

## Mettler Active Passive Trainer

The digital APT Plus allows the clinician to completely control speed, resistance, number of rotations and load levels.

A remote control facilitates operation for users with limited mobility. Available accessories include heart rate monitor, special handle bars, hemi-gloves, footrests, and handgrips.

The Active Passive Trainer is lightweight and can be easily moved in order to be used on the floor or on a table top. In the clinic, the APT Plus can be used on the Hi-Lo stand for comfortable, complete and total workouts.

**Weight:** 22 lbs. (18 kg)

**Dimensions:** 18.1 in. (W) x 28.3 in. (L) x 5.9 in. (H)  
(46 cm (W) x 72 cm (L) x 15 cm (H))

**Warranty:** 1 year



### Optional Accessories for the APT Plus

Item#	Description
82001	High supports for footrest (pair)
82002	Angled handgrips (pair)
82003	Foot rest (pair)
82004	Straight hand grips (pair)
82005	Hemi glove (single)
82006	Securing straps (pair)
82008	Remote control APT-5
82009	Hand guards (pair)



### Clinical Applications

#### USAGE:

- 5 levels of resistance for Active exercising.
- Active training for upper and lower extremities.
- Adjustable crank-arm height and length.
- Improve blood circulation, strength, endurance and muscle-tone.
- Activate rhythmical locomotion patterns.

#### PASSIVE:

- Spinal cord injury
- Spina Bifida
- Stroke (CVA)
- Cerebral Palsy
- Myopathies
- Congenital Muscular Dystrophy
- Varying speeds and load levels for passive exercising.
- Upper and lower extremity training for passive, disabled users.
- Allows application of physical force in passive training mode.
- Improve circulation, muscle tone and range of motion, decrease atrophy, spasms and swelling.
- Normalize lower extremities muscle tone.
- Motor rehabilitation.

#### ACTIVE:

- Senior citizens
- Orthopedic injuries (partial weight bearing)
- Children with motor disorders
- Post traumatic brain damage
- Parkinson's disease
- Multiple sclerosis
- Post-polio syndrome
- Cardiac rehabilitation

# SpineGym®

## SpineGym® – Unique Core Exerciser (ME 8100)

The SpineGym Core Exerciser offers a totally new way to exercise back, oblique and abdominal muscles from a standing position. It is easy to use in the home, office or gym! You only need a few minutes a day to complete SpineGym exercises. These can be done in street or exercise clothing. The SpineGym can even be used in the living room while watching TV. The SpineGym is easy to assemble and disassemble. It comes with a convenient carrying bag.

**Weight:** 7.6 lbs. (3.5 kg)

**Dimensions:** 34 in. (L) x 15.5 in. (W) x 5 in. (D) (in carrying case)  
(86 cm x 39 cm x 13 cm)

**Warranty:** 3 years



## Features

- Easy to use
- Strengthens core muscles that support the back and abdomen
- Exercises are done in standing position
- Results with just a few minutes a day
- Lightweight and portable
- Comes with its own carrying case
- Can be used anywhere

# Hot & Cold Therapy

## ThermalSoft® Gel Hot and Cold Packs

ThermalSoft Gel packs were designed with one thing in mind. Quality! Mettler set out to find the strongest most durable hot/cold pack on the market. Our innovation with our Double Wall construction did just that! This allows the packs to be softer and more durable than most other products. Unlike other cold packs on the market, ThermalSoft Gel Packs can do both hot and cold from the same pack. Heat them in the microwave for heat therapy or for cold therapy put them in the freezer. Due to the technology inside the ThermalSoft Gel Packs stay soft, even at freezer temperatures and retain their hot or cold therapeutic benefits for extended periods of time.

The large gel pieces mold to your body to deliver soothing heat or cold therapy. All ThermalSoft Gel packs carry a one-year warranty.



Item#	Description	Size
9831	Standard Gel Pack	11" x 14"
9832	Half Size Gel Pack	7.5" x 11"
9833	Cervical Gel Pack	23" x 8" contour
9834	Extra Large Gel Pack	11" x 21"



## ThermalSoft Gel Pack Covers

Specially sized covers to fit the gel packs are available in soft, insulated materials:

9851	ThermalSoft Gel pack cover, standard
9853	ThermalSoft Gel pack cover, cervical
9854	ThermalSoft Gel pack cover, extra large



## ThermalSoft® Durapak Hot and Cold Packs

ThermalSoft Durapak hot and cold packs maintain an even temperature over the entire pad. Their soft gel contents are 100% leak-proof and contain no liquids or dyes. ThermalSoft Durapak hot and cold packs are biodegradable and non-caustic. And, because ThermalSoft Durapaks are reusable, they save you money, too.

For heat therapy, microwave or heat the pack in water. ThermalSoft Durapaks keep their pad like shape even at high temperatures and will not liquefy when heated.

When used for cold therapy, ThermalSoft Durapaks stay flexible when frozen. They bend to fit around treatment areas and maintain their thickness no matter how severe the bend.

Item#	Description	Size
9841	Small	4" x 6"
9842	Standard	5" x 10"
9843	Large	8" x 11"
9844	Extra Large	12" x 15"



**100% LEAKPROOF**



## Indications

Provides advanced relief for:

- Arthritis pain
- Back pain
- Bunion pain
- Foot pain
- Heel pain
- Joint pain
- Knee pain
- Muscle pain
- Neck pain
- Shoulder pain



### Polar Frost® Cold Gel from Finland

Made specifically for Mettler Electronics, Polar Frost Cold Gel is specially formulated to provide soothing relief for soft tissue injuries, stress injuries, muscle tension, inflammation and stiffness. Aloe Vera has an anti-inflammatory effect and it keeps the skin smooth and moist throughout treatment. Polar Frost is available in a variety of sizes that includes a roll-on bottle for fingers-free application. Massage a thin layer of Polar Frost Cold Gel into the painful area. Repeat application every three hours for 3-5 days, as needed. This gel absorbs fast and works quickly. Try Polar Frost and see what the other products are lacking.



Polar Frost is manufactured under a strictly standardized production process using only the highest quality materials.

Item#	Description	Size
1881	Polar Frost, pump bottle	500 ml. (17 oz.)
1882	Polar Frost, tube	150 ml. (5 oz.)
1883	Polar Frost, roll-on	75 ml. (2.5 oz.)
1884	Polar Frost	1 gallon
1885	Polar Frost	4 x 1 gallon
1886	Polar Frost sample packages	200 pieces



For more information go to  
[www.MettlerElectronics.com](http://www.MettlerElectronics.com)  
 or call 1 (800) 854-9305

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# Ultrasound Couplants

## Sonigel Ultrasound Gel Couplants

Now you can get Sonigel as a clear, colorless, nearly bubble-free gel or as a soothing lotion with Aloe Vera. All Sonigel products are alcohol and salt free as well as non-corrosive. The gel is convenient for either therapeutic or diagnostic ultrasound procedures. The lotion is greaseless and can also be used for massage therapy. We also offer blue color gel in larger quantities at your request.



## Sonigel Clear Gel

Sonigel clear gel comes in two convenient sizes. The first is an economic five-liter container complete with its own pour-off bottle. Sonigel also comes in a “bottoms-up” tube that allows you to use all the contents. Purchase the 5-liter container in a Master Pack and save money.

### Single cases

- 1852** Clear gel couplant for therapeutic ultrasound and muscle stimulation, (1 x 5 liters)
- 1844** Clear gel couplant in tubes for therapeutic ultrasound and neuromuscular electrical stimulation, (case of 12 x 9.5 oz. tubes)

### Master Packs

- 1853** Clear gel couplant for therapeutic ultrasound and muscle stimulation, (4 x 5 liters)



## Sonigel Lotion with Aloe Vera

Sonigel Lotion with Aloe Vera comes in an economic one-gallon bottle complete with its own pour-off bottle. Purchase in a Master Pack and save money.

### Single cases

- 1863** Sonigel Lotion, 1 gallon bottle and pour off bottle

### Master Packs

- 1864** Sonigel Lotion, 4 x 1 gallon individually packaged





## V Trode™ Self-Adhesive Electrodes

V Trode self-adhesive neurostimulation electrodes feature soft rubber lead wire attachments that make it easy to attach them to the electrode lead wires. A long lasting gel with a thin carbon film layer provides strong adhesion to the skin. V Trodes come in four convenient sizes.

### Item# Description

- 2702** V Trode – 2" diameter round electrodes with lead wires, case of 10 packages (four electrodes/pkg.)
- 2703** V Trode – 2.75" diameter round electrodes with lead wires, case of 10 packages (four electrodes/pkg.)
- 2704** V Trode – 2" x 4" oval electrodes with lead wires, case of 10 packages (four electrodes/pkg.)
- 2705** V Trode – 2" square electrodes with lead wires, case of 10 packages (four electrodes/pkg.)

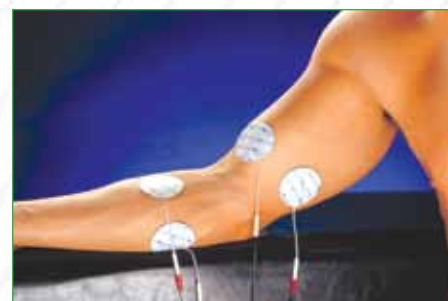


## EZ Trode® Self-Adhesive Electrodes (Now with Aloe Vera)

EZ Trode self-adhesive electrodes with Aloe Vera have a thin silver layer that provides superior conductivity. They have soft-rubber connectors, are long-lasting and come in a special resealable pouch that preserves freshness while being easy to open and close. EZ Trodes come in four convenient sizes.

### Item# Description

- 2221** EZ Trode – 2" diameter round electrodes with lead wires, case of ten packages (four electrodes/pkg.)
- 2222** EZ Trode – 2.75" diameter round electrodes with lead wires, case of ten packages (four electrodes/pkg.)
- 2223** EZ Trode – 2" x 5" rectangular electrodes with lead wires, case of 10 packages (two electrodes/pkg.)
- 2224** EZ Trode – 2" square electrodes with lead wires, case of 10 packages (four electrodes/pkg.)



# Carts & Travel Bags

## Padded Tote Bags

The rugged, padded tote bags are designed to carry Mettler therapy products. They each have a shoulder strap and a handle so that you can carry them easily. The tote bags have locking straps to secure the units in place with plenty of pouches and/or elastic straps to hold your treatment accessories during transport.



Item#	Description
107	Rugged padded tote bag for carrying any Sys*Stim or Sonicator single unit along with its accessories complete with shoulder strap. (14 in. x 7 in. x 7 in.)
109	Rugged padded tote bag for carrying a Sonicator Plus 920, 940, 992, 994 or Sys*Stim 294 along with its accessories complete with shoulder strap. (11.25 in. x 15 in. x 6.25 in.)
110	Travel bag—Ideal for carrying the 740, 740x or 240 to the patient. It holds one Sonicator 740 or Sys*Stim 240 and all of its accessories including all the applicators and a spare battery.

## Three-Shelf Cart 73

The model 73 cart has three shelves to hold any Mettler Electronics' Sonicator, Sys\*Stim or Sonicator Plus unit(s) along with their various accessories. It is a lightweight, low-cost alternative.

**Weight:** 16 lbs. (7.2 kg)

**Dimensions:** 34 in. (H) x 20.75 in. (W) x 14.25 in. (D)  
(86 cm (H) x 53 cm (W) x 36 cm (D))



# Ultrasound Accessories

## Ultrasound Applicators

Item#	Description
<b>7310</b>	Sonicator 716, 730, 992 or 994 applicator (10 cm <sup>2</sup> / 1 MHz)
<b>7335</b>	Sonicator 730 applicator (5 cm <sup>2</sup> / 3.3 MHz)
<b>7305</b>	Sonicator 715 or 730 applicator (5 cm <sup>2</sup> / 1 MHz)
<b>7513</b>	Sonicator Plus 930, 992 or 994 applicator (5 cm <sup>2</sup> / 1.0 & 3.2 MHz)
<b>7331</b>	Sonicator 730, 992 or 994 pencil style applicator (1 cm <sup>2</sup> / 3.3 MHz)

New applicators for the Sonicator 740 with the bright blue coupling indicator light:

<b>7413</b>	5 cm <sup>2</sup> / 1.0 & 3.2 MHz
<b>7410</b>	10 cm <sup>2</sup> / 1 MHz
<b>7431</b>	1 cm <sup>2</sup> / 3.3 MHz



## Sonicator Plus 920 and 940 Applicators

Item#	Description
<b>9401</b>	5.5 cm <sup>2</sup> , 1/3 MHz applicator for the Sonicator Plus 940
<b>9402</b>	0.9 cm <sup>2</sup> , 1/3 MHz applicator for the Sonicator Plus 940
<b>9201</b>	5.5 cm <sup>2</sup> , 1/3 MHz applicator for the Sonicator Plus 920
<b>9202</b>	0.9 cm <sup>2</sup> , 1/3 MHz applicator for the Sonicator Plus 920



## Miscellaneous Accessories

Item#	Description
<b>1004</b>	Sonicator mounting plate, complete with three wood screws (Fits Sonicator and Sys*Stim single units)
<b>7293</b>	Detachable hospital grade line cord, domestic
<b>7296</b>	Detachable line cord, IEC, 220V (not shown)
<b>7401</b>	Rechargeable Lithium Ion Battery Pack for Sonicator 740 or Sys*Stim 240



## Ultrasound Applicator Cables

Item#	Description
<b>7391</b>	Universal Applicator Cable, Sonicator 715, 716 and 730
<b>7392</b>	Universal Applicator Cable, Sonicator Plus 930, 992 and 994



# Stimulator Accessories

## Electrode Cord and Adapter Plugs

### Item# Description

- 2260** Electrode cable set for Sys\*Stim, 208, 208A, 206, and 226 and Sonicator Plus 930, 992 and 994; includes one dual cord set with special international-type connectors
- 2261** Single wire electrode cable for combination therapy with special international-type connector
- 2262** Plug adapter for Sys\*Stim models 206, 206A, 207, 207A and 220 and Sonicator Plus model 900
- 2263** Single channel cable adapter set for the Sys\*Stim 206 and 207; comes complete with the plug adapter (2262) and one international cable (2260)
- 2264** Dual channel cable adapter set for the Sys\*Stim 206A, 207A and 220 & Sonicator Plus 900; comes with two plug adapters (2262) and two international cables (2260)
- 2265** Single cord adapter set for Sonicator Plus 900; comes with one plug adapter (2262) and one international cable (2261)
- 2160** Special four-lead set for the Sys\*Stim 216 interferential stimulator.
- 2266** Electrode cable set for the Sonicator Plus 940; includes one dual cord set with pin connectors



## Pin-to-Banana Adapters & Bifurcation Cables

- 2027** Pin-to-banana adapter plug for use with ME 2260 and 2261 electrode cables; four each, gray
- 2030** Bifurcation cable set, 2 cables, one red and one black, pin termination



## Pocket Guides

- 9900** *Electrical Stimulation & Ultrasound Pocket Guide* by Michelle H. Cameron; designed for use with the Sonicator Plus 992 and 994 as well as the Sys\*Stim 294
- 9901** *Electrical Stimulation & Ultrasound Pocket Guide* by Michelle H. Cameron; designed for use with the Sonicator Plus 930
- 9902** *Electrical Stimulation Pocket Guide* by Michelle H. Cameron; designed for use with the Sys\*Stim 226
- 9904** *Laser Sys\*Stim Pocket Guide* by Michelle H. Cameron. Designed for use with the Laser Sys\*Stim 540
- 9905** *Shortwave Diathermy Pocket Guide* by Michelle H. Cameron. Designed for use with the Auto\*Therm 390/391



## Pencil Electrode Set

The Pencil Electrode is used for manual stimulation procedures where pin-point control is required. It comes in its own carry case with four stainless steel tips from the size of a quarter down to a point. The Pencil Electrode has an On /Off switch so that stimulation can be turned on and off. It requires a banana type connector to be plugged into the electrode cable set. It is compatible with all Mettler stimulators.

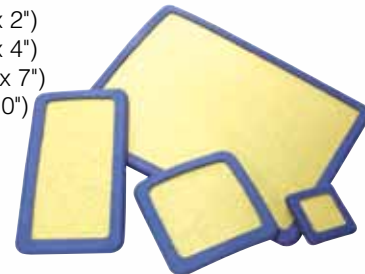
### Item# Description

- 2023** Pencil electrode set with push button stimulation control, (includes handle, 4 different sizes of stainless steel spot electrode tips, and carrying case)



## Sponge Electrodes

- 2000** 4 Sponge electrodes (2" x 2")
- 2002** 4 Sponge electrodes (4" x 4")
- 2004** 1 Sponge electrode (3.5" x 7")
- 2006** 1 Sponge electrode (8" x 10")



## Sponge Inserts for Sponge Electrodes

- 2001** 24 Sponge inserts (2" x 2")
- 2003** 24 Sponge inserts (4" x 4")
- 2005** 12 Sponge inserts (3.5" x 7")
- 2007** 12 Sponge inserts (8" x 10")



## Electrode Straps

- 2008** 4 Electrode straps (24")
- 2009** 4 Electrode straps (48")



# Ultrasonic Cleaners

Cavitator Ultrasonic Cleaners come in four sizes, designed to fit your cleaning needs. These cleaners generate ultrasonic waves that create millions of tiny bubbles through the process of cavitation. The bubbles gently clean and polish any surface they come in contact with, penetrating every nook and cranny to dislodge trapped dirt and debris. Medical instruments, glassware, even jewelry are quickly restored to their original lustrous finish without expending any effort. The gentle cleaning action is ideal for delicate items, too.



Model	2.1	4.6	5.5S	18
<b>Volume:</b>				
quarts	2.1	4.6	22	72
gallons	0.5	1.2	5.5	18
liters	2	4.3	20.8	68
<b>Outer Dimensions: L x W x H</b>				
inches	10.4 x 6.4 x 5.7	10.4 x 6.4 x 9.1	21.5 x 13.5 x 11.2	23.7 x 17.7 x 31
centimeters	26.4 x 16 x 14.4	26.4 x 16.2 x 23.2	54.6 x 34.3 x 28.6	60.3 x 45.1 x 78.7
<b>Tank Size: L x W x H</b>				
inches	9.4 x 5.4 x 2.3	9.4 x 5.4 x 6	19.5 x 11.5 x 6	21.7 x 15.7 x 12
centimeters	23.8 x 13.7 x 5.9	23.8 x 13.7 x 15.2	49.5 x 29.2 x 15.2	55.2 x 40 x 30.5
<b>Power Requirements:</b>				
VAC	105/120	105/120	105/120 or 220	105/120 or 220
Hz	50/60	50/60	50/60	50/60
Watts	85	85	200	800

## Cleaning Baskets

Baskets are available for each model to facilitate retrieval of cleaned items.

- | Item# | Description   |
|-------|---|
| 1055  | Stainless steel cleaning basket (fits ME 5.5S)              |
| 1058  | Stainless steel cleaning basket (fits either 2.1 or ME 4.6) |
| 1059  | Stainless steel cleaning basket (fits ME 18)                |



## Covers

A variety of covers are available to help contain biologically active contaminants.

- |      |  |
|------|--|
| 1025 | Stainless steel cover (fits either ME 2.1 or ME 4.6) |
| 1038 | Stainless steel cover (fits ME 5.5S)                 |



## Other Accessories

- | Item# | Description            |
|-------|------------------------|
| 1159  | Fill hose (5 feet)     |
| 510   | Spray-rinse attachment |

## Ultrasonic Cleaner Detergents and Chemicals

Cavi-clean is an all-purpose, biodegradable detergent specially formulated for use with Cavitator Ultrasonic Cleaners. It dissolves blood and inhibits rust formation, plus its neutral pH is gentle on the hands or delicate instruments. For tougher jobs, Cavi-Clean Additive will boost the cleaning power of Cavi-Clean detergent.

- |      |  |
|------|--|
| 1812 | Cavi-Clean liquid detergent concentrate (case of four 1-gallon containers) |
| 1816 | Cavi-Clean additive powder (case of six 1-pound cartons)                   |





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