

SMART COMBINATION THERAPY






The **SONOMED 7S** is a smart combination therapy. It has three different types of modality, including ultrasound and electrotherapy applications. In the development of the unit simplicity of operation and functionality were the principal consideration. All the available types of current and therapy are clearly displayed on a 5" Colour touch screen. The intensity can be easily set with encoder. Pre-programmed memory with treatment applications offers protocols for more than 132 frequently occurring indications. And users can store their settings in user memory.

FEATURES

- Both medium and low frequency currents
- Ultrasound and Electro therapy can be used simultaneously, combined and individually
- Can treat 3 patients simultaneously
- Ultrasound therapy 1 & 3 MHz
- 132 Pre-programs with condition wise protocols
- Cable and electrode checking mode
- Illustration image for Electrode placement
- User settable memory with patient name
- Encoder for intensity
- Light weight and compact design
- Easy to operate
- Plastic cabinet
- 5" Colour Touch Display
- International standards and specifications
- Two sizes of Transducer
- Advanced patient safety system
- Static Ultrasound Transducer (Optional)
- Independent intensity variation for each channels
- 2 Channel for Electro Therapy

SPECIFICATIONS

INTERFERENTIAL

Carrier frequency	- 2000Hz - 4000Hz (100Hz step) 4000Hz - 10000Hz (500Hz step)
Base frequency	- 1-250Hz (1Hz step)
Sweep frequency	- 0-250Hz (1Hz step)
Sweep modulation	
Programs	- 1/1S  , 5/1/5S  , 6/6S 
Therapy Modes	- Four pole Classic Four pole Vector 90° Four pole Vector 45° Two pole pre-modulated

RUSSIAN CURRENT





Frequency	- 2000Hz - 4000Hz (100Hz step) 4000Hz - 10000Hz (500Hz step)
Modulation	- Constant / Surge
Ramp Rise/Fall	- 1-10Sec (1Sec step)
Burst	- 30-250Hz (1Hz step)
Hold ON	- 1-99Sec (1Sec step)
Hold OFF	- 1-99Sec (1Sec step)

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SMART COMBINATION THERAPY

TENS

Frequency	- 2-250Hz (in Hz variation)
Pulse Width	- 20-400 μ sec (in 1 μ sec variation)
Burst Frequency	- 1-10Hz
Sweep Frequency	- 2-245Hz to 7-250Hz
Waveform	- Symmetric  / Asymmetric  / Alternating  / Monophasic 
Modes	- Continuous/Burst/Sweep burst & Sweep

ULTRAREIZ

Frequency	- 142.8Hz
ONtime	- 2mSec
OFFtime	- 5mSec

HVPULSE CURRENT

Frequency	- 1-200Hz (1Hz step)
Pulsewidth	- 100 μ s
Type	- Constant/Surge

MICROCURRENT

Frequency	- 1-1000Hz
Intensity	- 10 μ A - 1000 μ A

DIADYNAMIC CURRENTS - DF, MF, CP, LP, RS, MM

VMS (Vibratory Motor Stimulation)

Frequency	- 2-250Hz
Waveform	- Inverted Symmetric
Pulse width	- 20-400 μ s

IONTOPHORESIS

Dosage	- 2-150mA/min (2mA/min step)
Intensity	- 1-5 mA (0.5mA step)
Type	- Constant/Interrupted

MUSCLE STIMULATOR CURRENTS

Plaingalvanic	- Continuous DC current
Int.galvanic	- Diagnostic - 0.01, 0.03, 0.1, 0.3, 1, 3, 10, 30, 100, 300, 1000mSec
	- Therapeutic - 30-300mSec (10mSecs)

ULTRASOUND THERAPY

Frequency	- 1 & 3 MHz
Mode	- Cont./Pulse
Pulse freq.	- 16Hz/48Hz/100Hz
Pulse ON duty.	- 10% - 90% (10% steps)
ERA Transducer L	- 5cm ²
ERA Transducer S	- 1cm ² (Optional)
ERA Static Transducer	- 5cm ² (Optional)
Max. Intensity	- 2W/cm ² (cont), 3W/cm ² (Pulse)
Contact control	- Acoustic sensor
Type of beam	- Collimated
Beam non-uniformity Ratio	- 5:1 (Max)

FARADIC/SURGE FARADIC

Freq./P.Width	- 50Hz/0.7mSec
Surge ON time	- 1-10sec (in 1sec step)
Surge OFF time	- 1-10sec (in 1sec step)

TECHNICAL DATA

Display	- 5" Colour Resistive Touch Display
Mains Voltage	- 100-240V/50/60Hz,
Safety Class	- Class 1, Type BF (IEC60601-1)
Dimensions	- LxBxH- 30x25x11.5cms
Weight	- 2.7 Kgs

Accessories

