



## 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.

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EN ISO 13485: 2016

#### 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		
	Carrierfrequency	-	2000 Hz - 4000 Hz (100 Hz step) 4000 Hz - 10000 Hz (500 Hz step)
	Basefrequency	_	1-250 Hz (1 Hz step)
S	Sweep frequency Sweep modulation		0-250 Hz (1 Hz step)
	Programs	_	1/15 ӆ,5/1/55 ,6/65ላ
	Therapy Modes	-	Fourpole Classic Fourpole Vector 90°
			Fourpole Vector 45°
			Two pole pre-modulated
	RUSSIAN CURRENT		
	Frequency	-	2000 Hz - 4000 Hz (100 Hz step)

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Modulation	- Constant/Surge
Ramp Rise/Fall	- 1-10Sec(1Secstep)
Burst	- 30-250 Hz(1 Hz step)
HoldON	- 1-99Sec(1Secstep)
Hold OFF	- 1-99Sec(1Secstep)

## **HMS Medical Systems**

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VMS (Vibratory Motor Stimulation)

Wave form \_\_\_\_

Pulse width

Frequency - 2-250Hz

## **SONOMED-7S**

142.8Hz

2mSec

5mSec

100us

1-1000Hz 10μΑ-1000μΑ

1 & 3 MHZ

1-200Hz (1Hz step)

Constant/Surge

#### **SMART COMBINATION THERAPY**

**HVPULSECURRENT** 

ULTRA REIZ Frequency

ONtime

**OFFtime** 

Frequency

Pulse width

TENS	
Frequency -	2 - 250 Hz (in Hz variation)
Pulse Width -	20-400 μsec(in1μsec variation)
Burst Frequency -	
Sweep Frequency -	2 - 245 Hz to 7 - 250 Hz
Waveform -	Symmetric
	/ Monophasic <mark>1</mark>
Modes -	Continuous/Burst/Sweep burst & Sweep
DIADYNAMICCURRENTS -	DF, MF, CP, LP, RS, MM

Frequency
Intensity
,

Type

## IONTOPHORESIS

**MICROCURRENT** 

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

MUSCLESTIMULATO	RCURE	RENTS
Plaingalvanic	-	Continuous DC current
Int.galvanic	-	Diagnostic-0.01, 0.03, 0.1
		0.3, 1, 3, 10, 30, 100, 300,
		1000mSec

- 20-400μs

Therapeutic -30-300mSec (10mSecs)

- Inverted Symmetric

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

## ULTRASOUNDTHERAPY Frequency Mode

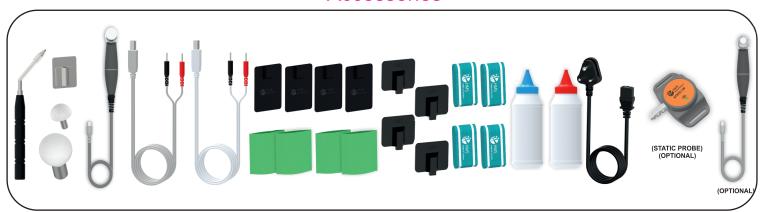
Mode - Cont./Pulse
Pulsefreq. - 16Hz/48Hz/100Hz
PulseONduty. - 10% -90%(10% steps)
ERATransducerL - 5cm²
ERATransducerS - 1cm²(Optional)
ERAStaticTransducer - 5cm²(Optional)
Max.Intensity - 2W/cm²(cont),3W/cm²(Pulse)

Contact control - Acoustic sensor
Type of beam - Collimated
Beam non-uniformity Ratio - 5:1(Max)

#### **TECHNICAL DATA**

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

### **Accessories**



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