

WAVESTAR 500



Continuous and Pulsed Solid State Shortwave Diathermy



- Inflammation Reduction
- Pain Relief
- Wound Healing
- Oedema & Haematoma Absorption
- Peripheral Circulation Stimulation

WAVESTAR 500

It is an advanced solid state technology based Continuous and Pulsed shortwave diathermy Machine. This machine has most advanced features to facilitate quick and effective treatment of patient.



KEY FEATURES

- Digital Display of Output Power for accurate and easy setting of power.
- 3 Different Pulse Frequencies settings for delivering the right amount of dose to the patient.
- Attractive and user friendly tuning system with Illuminated bar graph for quick and easy tuning.
- Continuous mode for Deep Heating particularly useful for disc electrodes.
- Colour coded Power Adjustment knob to select a-thermic treatment, mild heat or deep heating.
- Trolley model for easy mobility in hospital/clinic.
- Average Output Power 200 Watts

ADVANTAGES OF PULSED SHORTWAVE

Continuous build up of heat is not desirable. Without control if heat keeps on increasing it can lead to burns and blisters. Real challenge particularly in treating diabetic patients. Pulsing shortwave at different desired levels gives comfort of warmth like waves and prevents continuous build up of heat.

The latest advancement in shortwave therapy is PULSED MODE. WAVESTAR 500 produces pulsed shortwave. There is an element of tissue heating which occurs during the 'on' pulse, but this is dissipated during the prolonged 'off' phase.



TREATMENT WITH NO NET INCREASE IN TISSUE TEMPERATURE

SOLID STATE TECHNOLOGY

Developed using advanced solid state electronics. The machine produces pure 27.12 MHz shortwave output. The highly power efficient and robust solid state power electronics can produce ripple free pure wave form.



Conventional shortwave machines in market use Radio frequency valves. Valve model shortwave besides being fragile and having non repairable parts, the technology is obsolete.



PULSED AND CONTINUOUS MODES

PULSED MODE

The latest advancement in shortwave therapy is **PULSED MODE**. In Pulsed Mode heat build up is eliminated. Hence the chances of patient developing burns and blisters are eliminated. The patient feels even soothing warmth throughout treatment. At even lower Pulsed levels negligible warmth is felt which is very safe for treating diabetic and geriatric patients.

CONTINUOUS MODE

The machine also has **CONTINUOUS** mode to produce strong thermal effects. As the quality of output is much better due to solid state technology the heat build up happens gradually and hence even more comfortable and safer on patients.

TECHNICAL SPECIFICATIONS

Input Voltage	180 - 240 V ~ / 50 Hz
Output Frequency	27.12 MHz
Mode	Continuous and Pulsed
Output Power	200 W Average Power with Digital Display
Pulse Frequency	800 Hz, 600 Hz and 400 Hz
Duty Cycle	0-100% Adjustable
Power Consumption	200 watts
Treatment Duration	1 - 30 minutes in 1 minute increments (End of treatment time automatically cut off)
Electrical Class	CLASS I
Electrical Type	TYPE BF
Dimensions (L x B x H)	45 x 30 x 70 cm. (Approx)
Weight	Approx weight 17 Kgs

APPLICATORS

DISC ELECTRODES

- Easy Adjustable Disc Electrodes are very effective for treatment of Joint pain.
- Fully Adjustable 360 degrees rotation
- Continuous mode can be used to deliver deep heating to joints for quick recovery from joint pain.
- Many joint pains can be treated in sitting position itself with Disc Electrodes.
- Non Contact Mode of treatment prevents excessive heating in specific spots.



PAD ELECTRODES

- Soft Flexible Pads of 2 sizes to fit to any patient.
- Pads made of light weight flexible materials compared to conventional rubber pads. These pads have much longer life.
- Pads being moderately flexible can be easily strapped to patients body and slightly contours to develop better contact with the patient.
- Very effective for treating back pain.



ACCESSORIES

- Flexible pads with intermediate felt layer.
- Disc Electrodes with 360 degrees adjustable arms.
- Disc Cables.
- Indicator Discharge Tube.
- Wavestar SWD User Manual.

 **TECHNOMED ELECTRONICS**

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