

ELECTROSON - 608



ULTRASOUND THERAPY

ULTRASOUND THERAPY UNIT - ELECTROSON 608

ELECTROSON 608 is a fully Solid State Ultrasound Therapy Unit. It is a versatile model, most modern in design, sleek, compact and easy to handle.

The continuous and pulsed modes can be easily selected. A Digital power meter indicates the ultrasonic power delivered to the patient in watts / cm²

With the Digital treatment timer, it is easy to set treatment time which switches off the unit automatically after the treatment time is over.

Transducer safety mechanism ensures long life for the crystal by switching off the ultrasonic power when the transducer is kept in its holder and when not in use.

The pulsed mode further has four pulse ratios as given below:

1:1 - 2 msec ON 2 msec OFF

1:4 - 2 msec ON 8 msec OFF

1:7 - 2 msec ON 14 msec OFF

1:10 - 2 msec ON 20 msec OFF

SPECIFICATIONS :

Ultrasound nominal frequency	: 1 MHz
Ultrasound output	: 12 Acoustic watts Max.
Ultrasound power density	: 2.5 Watts / cm ²
Mode of operation	: Continuous & Pulsed. 0 to 20 minutes electronic timer with digital display. Audio alarm at the end of treatment



Manufactured by:

Technomed Electronics.

Plot No41, Functional Industrial estate,
Perungudi, Chennai - 600 096.

Tel : 044-24961854, Fax: 044-42020060.

E-mail: sales@technomedelectronics.com

ELECTROSON - 709



DUAL FREQUENCY ULTRASOUND THERAPY UNIT

1 & 3 Mhz

DUAL FREQUENCY ULTRASOUND THERAPY UNIT - ELECTROSON - 709

ELECTROSON-709 is an advanced microcontroller based Ultrasound therapy equipment. It combines the functions of both 1Mhz & 3Mhz.

A LCD panel and a soft touch membrane keyboard enable the physician to set parameters easily

FEATURES

- ❖ ELECTROSON 709 is a simple, user friendly unit and easy to operate.
- ❖ Liquid crystal display with yellowish backlight displays the parameter chosen, the treatment time and the power.
- ❖ Compact and light weight makes the unit **PORTABLE**.
- ❖ ELECTROSON 709 has both continuous & pulsed modes of operation.
- ❖ It has an additional advantage that both 1MHz and 3MHz treatment heads can be plugged-in simultaneously and whichever frequency is selected from the program, the corresponding indicator is illuminated.

TECHNICAL SPECIFICATIONS

INPUT DATA:

Mains supply	: 230V/AC/50Hz
Power Consumption	: 46 watts
Main fuse	: 1 Amps

FUNCTIONAL DATA:

Maximum output	: 2.5 watts/sq.cm.
Operating frequency	: 1 MHz & 3 MHz
Modes of operation	: Continuous mode & pulsed mode
Pulse Ratios	: 1:1, 1:4, 1:7 & 1:10
Treatment Time	: 0-99 minutes
Alarm	: The buzzer alarms when the treatment time counts down to zero.
Selection Output	: Using a user friendly menu oriented instructions and selections through a LCD panel and a compact membrane keyboard

MECHANICAL DATA:

Dimension (in mm)	: 75 x 260 x 300 (H x D x W)
Weight	: 4.2 kg
Operating temperature	: 0-55 deg.C



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