



EMS Physio Ltd



# Product Specification

PRIMO THERASONIC EMS460/360

MAY2022 v1



## Primo Therasonic 460 & 360

- Colour touch screen technology
- Dual frequency ultrasound
- Programmable memory
- Easy wipe clean screen reducing the risk of cross-infection
- Mains powered as standard, optional external power pack available

## Treatment protocols

- Trigger Point
- Low irritability
- Tendon Injury/ Lesion
- Chronic Osteoarthritis
- Rheumatoid Arthritis
- Tennis Elbow
- Carpal Tunnel
- Fibromyalgia
- Soft Tissue Stretch
- Impingement Syndrome
- Calcific Tendonitis
- Perineal Pain (Persistent)
- Perineal Pain

## Primo Therasonic 460 and 360 ultrasound

The Primo Therasonic ultrasound unit has been designed to offer you a wide range of choices for your ultrasound treatment programme.

Widely used to improve healing time on soft tissue injuries, it has integrated evidence based algorithms and clinical protocols.

## Technical Specification

**Power input** 18v, 3.33 A external PSU

**Internal fuse** T3.15A

**Battery** External Primo Power pack (optional)

**Ultrasound frequency** 1MHz for 360, 1MHz and 3MHz for 460

**Maximum intensity** 1.5 W/cm<sup>2</sup> in CW, 3.0 W/cm<sup>2</sup> in pulsed

**Maximum ultrasound output power** 6W average

**Output modes** CW and pulsed 1:1, 1:2, 1:3, 1:4 and 1:9 ratios

**Treatment programmes** 16 user-defined set-ups

**Pulse duration** 2ms

**Treatment head:** Large treatment head ERA 4cm<sup>2</sup>, Small treatment head ERA 0.6cm<sup>2</sup> 1MHz, 0.4cm<sup>2</sup> 3MHz

**Dose algorithm** (optional) Calculates treatment settings from user entered parameters.

**Treatment Timer** 0 to 30 minutes (treatment linked)

**Contact Monitor** Light on transducer or audio signal

**Language options** English, French, German, Spanish, Italian, Vietnamese

**Classification** (EN60601-1) Class 1, Type BF

**Size** (height x width x depth) 90 x 230 x 290 mm

**Weight** 1.3 kg

## Ordering information

### Primo Therasonic 360

Primo Therasonic 360 Single frequency ultrasound unit (1MHz) complete with large treatment head, one bottle of coupling gel (250ml)

### EMS3601

### Primo Therasonic 460

Primo Therasonic 460 Dual frequency ultrasound unit (1MHz and 3MHz) complete with large treatment head, one bottle of coupling gel (250ml)

### EMS460

## Accessory ordering information

|                         |                |
|-------------------------|----------------|
| Large treatment head    | <b>PMA9125</b> |
| Small treatment head    | <b>PMA9135</b> |
| 8x250ml bottle of gel   | <b>EMS502</b>  |
| 1 litre bottle of gel   | <b>EMS502A</b> |
| Padded carrying case    | <b>EMS530</b>  |
| Treatment trolley       | <b>EMS158</b>  |
| Budget output indicator | <b>RTB01</b>   |
| Primo power pack        | <b>PMA1960</b> |



## Further technical information

### Large ultrasound treatment head

ERA 4cm<sup>2</sup>

BNR < 5

Beam type collimated



### Small ultrasound treatment head

1MHz 3MHz

ERA 0.6cm<sup>2</sup> 0.4cm<sup>2</sup>

BNR < 5

Beam type: divergent collimated



EMS460/360

## EMS Physio Ltd - making it better since 1924

EMS Physio Ltd designs, manufactures and supplies electrotherapy equipment from our purpose-built offices and factory in the UK.

Our products include shockwave therapy products, therapeutic ultrasound units, electrical stimulators and shortwave diathermy products.

We also supply a full range of physiotherapy equipment including treatment couches, exercise equipment, gait analysis, pulse compression therapy units, CPM machines and the general equipment you would expect to find in an established clinic.

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