



EMS Physio Ltd



Product Specification

PRIMO THERASONIC EMS460/360

MAY2022 v1



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.

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

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/cm² in CW, 3.0 W/cm² 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 4cm², Small treatment head ERA 0.6cm² 1MHz, 0.4cm² 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)

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Accessory ordering information

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



Further technical information

Large ultrasound treatment head

ERA 4cm²
BNR < 5
Beam type collimated



Small ultrasound treatment head

1MHz 3MHz
ERA 0.6cm² 0.4cm²
BNR < 5
Beam type: divergent collimated



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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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