



EMS Physio Ltd



# Product Specification

PRIMO COMBINATION EMS860

MAY2022 v1



## Primo Combination 860

- Colour touch screen technology
- Dual frequency ultrasound
- Stimulation outputs: two and four pole interferential, Diadynamic, TENS, Sinusoidal, Galvanic and interrupted galvanic, Faradic, Trabert, Medi-Wave, Russian & Microcurrent output

## Treatment protocols

- Trigger Point
- Tendon Injury/ Lesion
- Chronic Osteoarthritis
- Rheumatoid Arthritis
- Tennis Elbow
- Carpal Tunnel
- Fibromyalgia
- Soft Tissue Stretch,
- Impingement Syndrome
- Calcific Tendonitis
- Perineal Pain (persistent and partum)
- OA Knee & post op knee pain
- Chronic & acute low back pain
- Stress & urge incontinence

## Primo Combination 860

The Primo Combination 860 offers dual frequency ultrasound (1MHz and 3MHz) and the complete range of stimulation outputs that can be used individually (two independent channels, allowing for 2 separate treatments) or simultaneously in combination therapy.

Operates in conjunction with EMS vacuum unit if required.

## Technical Specification

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

**Internal fuse** T5A

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

**Ultrasound frequency** 1MHz and 3MHz

**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

**Pulse duration** 2ms

**Individual NMES waveforms** visit our website for full details

**Maximum stimulation output:** 100mA peak constant current, 140V peak constant voltage

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

**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** 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 Combination 860

Primo Combination 860 therapy unit with large treatment head, 250 ml bottle of coupling medium, 2/4 pole patient lead, four electrode connection cables (blue and yellow) **EMS860**

### Electrode pack option 1

Two stretch bandages (1,200 x 75mm) four medium rubber electrodes (100 x 70 mm), and four medium sponge covers

### Electrode pack option 2

20 packs of Primo self-adhesive electrodes

See over for accessory ordering



NC3058



NC3057



RB5160



RB5164



NC3052B/53B/54B



NC3052A/53A/54A



DU1/DU2/DU4

## 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



## Accessory ordering information

Large treatment head **PMA9125**

Small treatment head **PMA9135**

8x250ml bottle of gel **EMS502**

1 litre bottle of gel **EMS502A**

Small sponge electrode covers (set of 4) **NC3052A**

Small rubber electrodes (70 x 50 mm - set of 4)  
**NC3052B**

Medium sponge electrode covers (set of 4) **NC3053A**

Medium rubber electrodes (80x60mm - set of 4)  
**NC3053B**

Large sponge electrode covers (set of 4) **NC3054A**

Large rubber electrodes (130 x 100 mm - set of 4)  
**NC3054B**

2/4-pole patient lead **PMA3055**

Blue electrode connection cables (1 pair) **NC3057**

Yellow electrode connection cables (1 pair) **NC3058**

Periform vaginal probe (single patient use - 34mm  
diameter) **RB5160**

Anuform anal probe (single patient use - 25mm  
diameter) **RB5164**

Stretch bandage - 600 x 75mm **DU1**

Stretch bandage - 1200 x 75mm **DU2**

Stretch bandage - 600 x 50mm **DU4**

Padded carrying case **EMS530**

Treatment trolley **EMS158**

Budget output indicator **RTB01**

Primo power pack **PMA1960**

PALS platinum self adhesive electrodes (25 mm  
diameter, pack of 4) **RB450**

PALS platinum self adhesive electrodes (33 x 54 mm,  
pack of 4) **RB410**

PALS platinum self adhesive electrodes (50 x 50 mm,  
pack of 4) **RB430**

PALS platinum self adhesive electrodes (80 x 100 mm,  
pack of 2) **RB440**

Primo Self-adhesive electrodes (50 x 50mm pack of 4)  
**RB435**

Booklet - EMS Guide to Interferential & Combination  
Therapy **EDC303**

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EMS860

*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.