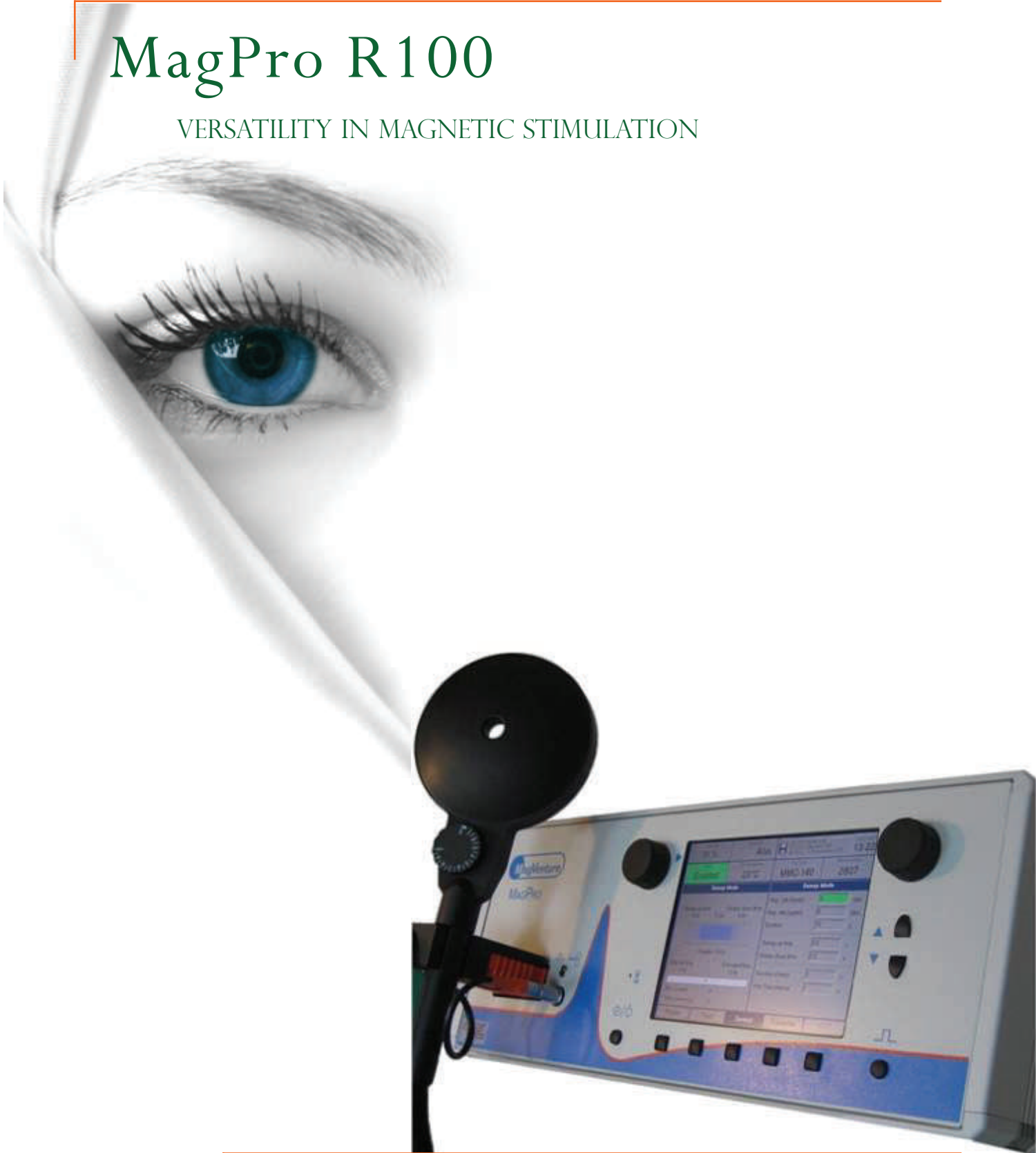




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# MagPro R100

VERSATILITY IN MAGNETIC STIMULATION



Product Information Sheet: MagPro R100, Technical Data  
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High-performance, non-invasive magnetic stimulators for use in both the clinic and in medical research

*”The MagPro R100 is an advanced, high-performance magnetic stimulator ideal for neuronal and muscular stimulation”*

### Electromagnetic Data

**Stimulation Waveforms:**

Waveform	Pulse Width
Biphasic	280µs

**Current Direction:**

Normal

**Magnetic gradient from Stimulation Coils:**

Magnetic Gradient and number of stimuli before overheats depend on the specific coil used.

### Stimulation Modes

Single, continuous, train pulses

Amplitude ramp, frequency sweep

**Controls**

Stimulation start/stop controlled by foot switch.

### Environmental Data

Operating Temperature: 10 – 30°C

Storage Temperature: 5 – 50°C

Operating Humidity: 30 – 60 % RH.

Storage Humidity: 20 – 80 % RH

### Mechanical Data

**Dimensions**

MagPro: (HxWxD) 210x530x400 mm

Cart: (HxWxD) 800x610x550 mm

System height with cart: 102 cm

**Weight:**

MagPro: 33kg

Cart: 16 kg

### Trigger Signals

**Trigger Input:**

Pulse width > 5µs

TTL + CMOS levels accepted

Input Impedance > 10 kOhm

Polarity: Falling edge

**Trigger Output:**

Pulse width: 30µs, TTL-levels

Output Impedance < 200 Ohm

Polarity: Falling edge

### Power Supply

Main Voltage: ~230V, 50/60Hz (IEC60601-1)

Main Impedance: <1Ω

Maximum Power Consumption: 2300VA

Standby Power Consumption: <150VA

Operation from 100 - 120V through Transformer.

### Performance Data

Output versus Repetition Rate

Typical values for a MMC-140-II coil is:

Waveform	Repetition Rate						
	5pps	10pps	20pps	30pps	50pps	75pps	100pps
Biphasic	100%	100%	90%	72%	55%	40%	30%

pps = pulses per. second

