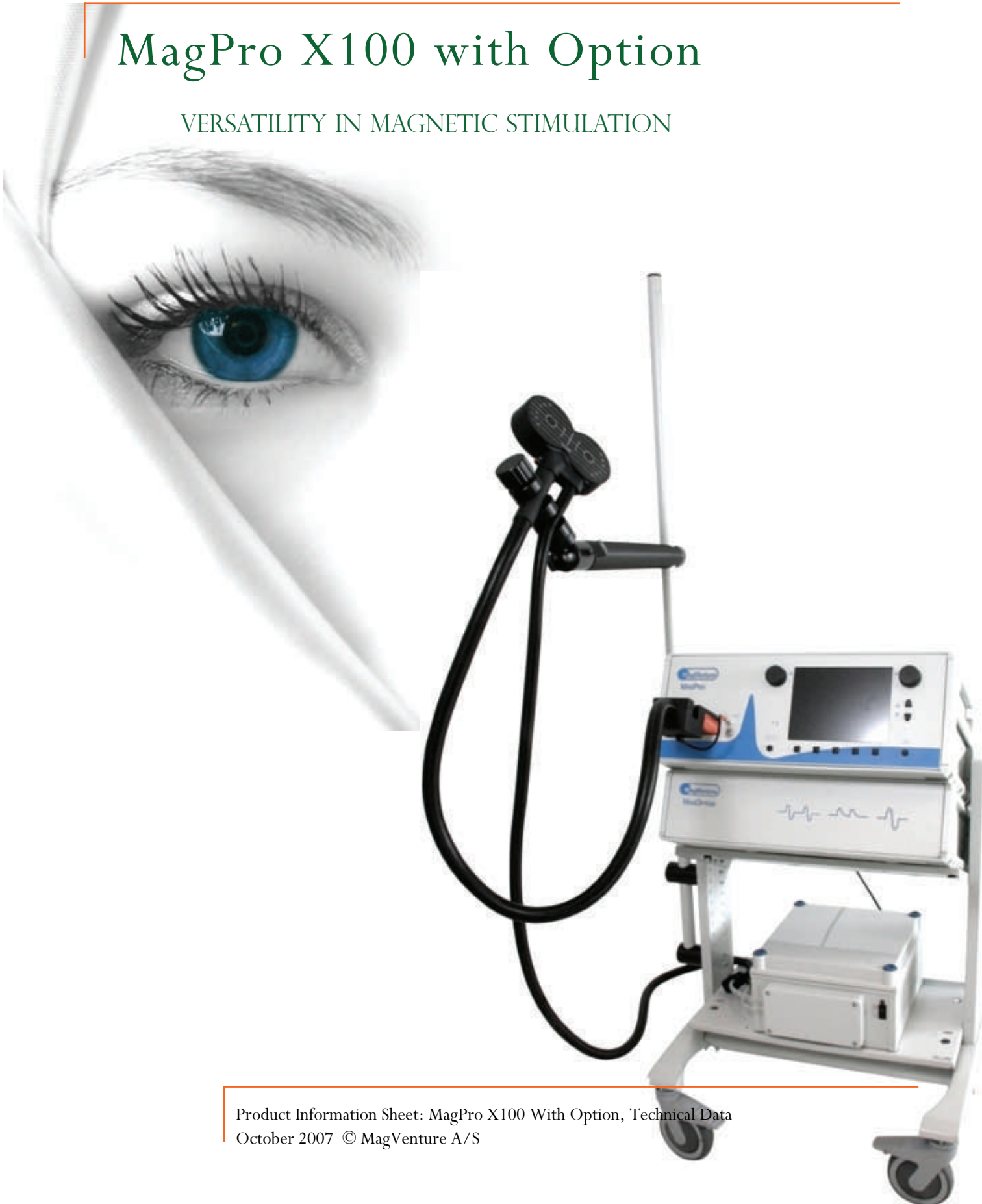




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# MagPro X100 with Option

VERSATILITY IN MAGNETIC STIMULATION



Product Information Sheet: MagPro X100 With Option, Technical Data  
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## Electromagnetic Data

### Stimulation Waveforms:

| Waveform   | Pulse Width | Pulse Width |
|------------|-------------|-------------|
| Biphasic   | 280µs       | 400µs       |
| Monophasic | 70µs        | 100µs       |
| Halfsine   | 140µs       | 200µs       |

**Current Direction:** Normal or reverse

### Magnetic gradient from Stimulation Coils:

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

## Power Supply

Mains Voltage: ~230V +/- 15% 50/60Hz

Mains Impedance: < 1 Ω

Maximum Power Consumption: 2300VA

Standby Power Consumption: <150 VA

Operation from 100/115/127V through Transformer.

## Performance Data

Output versus Repetition Rate, depending on Waveform:

| Standard and Power pulses | Waveform            | Repetition Rate |       |       |       |       |       |        |
|---------------------------|---------------------|-----------------|-------|-------|-------|-------|-------|--------|
|                           |                     | 5pps            | 10pps | 20pps | 30pps | 50pps | 75pps | 100pps |
| Standard Mode:            | Biphasic            | 100%            | 100%  | 80%   | 65%   | 50%   | 35%   | 30%    |
|                           | Halfsine            | 100%            | 100%  | 80%   | 65%   | 50%   | 35%   | 30%    |
|                           | Biphasic Burst(N=3) | 100%            | 100%  | 70%   | 50%   | 35%   | 25%   | 20%    |
|                           | MonoPhasic          | 100%            | 70%   | 50%   | 40%   | 30%   | 25%   | 20%    |
| Power Mode:               | Biphasic            | 100%            | 75%   | 55%   | 45%   | 35%   | 25%   | 20%    |
|                           | Halfsine            | 100%            | 75%   | 55%   | 45%   | 35%   | 25%   | 20%    |
|                           | Biphasic Burst(N=3) | 100%            | 70%   | 45%   | 35%   | 25%   | 20%   | 15%    |
|                           | MonoPhasic          | 70%             | 50%   | 35%   | 25%   | 20%   | 15%   | 10%    |

| Twin and Dual Pulses | Waveform   | Repetition Rate |       |       |        |        |        |
|----------------------|------------|-----------------|-------|-------|--------|--------|--------|
|                      |            | 1tpps           | 2tpps | 5tpps | 10tpps | 15tpps | 20tpps |
|                      | Biphasic   | 100%            | 100%  | 100%  | 75%    | 60%    | 50%    |
|                      | Halfsine   | 100%            | 100%  | 100%  | 75%    | 60%    | 50%    |
|                      | Monophasic | 100%            | 100%  | 70%   | 45%    | 35%    | 30%    |



pps = pulses per. Second    N = Number of pulses (N=2,3,4,5)    tpps = Twin Pulses Per Second

## Mechanical Data

### Dimensions

MagPro: (H x W x D:) 210 x 530 x 400 mm

MagOption: (H x W x D:) 130 x 530 x 400 mm

Cart: (H x W x D:) 800 x 610 x 550 mm

System height with cart: 102 cm

**Weight:** MagPro: 35 kg, MagOption: 23 kg, Cart: 16 kg

## Trigger Signals

### Trigger Input:

Pulse width > 5µs

TTL + CMOS levels accepted

Input Impedance > 10 kOhm

Polarity: User-defined

### Trigger Output:

Pulse width: 30µs, TTL-levels

Output Impedance < 200 Ohm

Polarity: User-defined

## Environmental Data

Operating Temperature: 10 – 30°C

Storage Temperature: 5 – 50°C

Operating Humidity: 30 – 60 % RH.

Storage Humidity: 20 – 80 % RH