DEVICE TYPE | ULTRASOUND BONE GROWTH STIMULATOR
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MANUFACTURER | IGEA S.p.A.
 | 41012 Carpi (MO), Via Parmenide 10/A (ITA), Italy
NAME | FAST
MODEL | UBHS-01

### POWER SUPPLY
- Input voltage: 100-240 VAC (230VAC)
- Mains frequency: 50-60Hz
- Max. absorbed power: 0.100 A
- Max. output voltage: 23.0VA

### APPLIED PART
- US transducer (Treatment head)

### FEATURES OF THE US TRANSDUCER PILOTING SIGNAL
- Impulsive square wave signal with a frequency of 1.5 MHz
- Pulse width = 200 µsec (Duty Cycle = 20%)
- Modulation: Pulse trains with repetition frequency = 1Khz

### FEATURES OF US TRANSDUCER & US BEAM
- Stainless steel cylindrical Container with a height of 15mm and diameter of 32 mm; Resonant crystal of piezo-composite material of 25 mm in diameter; Bi-polar shielded connecting cable
- Nominal output power: 149 mW ± 12%
- Effective radiating area – ERA: 5.1 cm2 ±12%
- Beam Non-Uniformity Ration BNR: 4.3
- Beam Type: Collimated
- Isata: 30 mW/cm2
- Max. temporal Intensity: 0.73 W/ cm2
- Maximum power: 3.7 W

### DIMENSIONS
- L x W x H = 210 x 100 x 70 mm (Generator)
- 1.150 Kg (Generator+Power Supply)

### CLASSIFICATION (EN 60601-1)
- Class II with Applied Part of Type BF
- Appliance for continuous use not to be used where there is danger of explosion
- Appliance with casing having a degree of protection IP10

### CLASSIFICATION DIRECTIVE 93/42
- IIA

### STANDARD COMPLIANCE
- EN 60601-1 (Medical electrical equipment - Part 1: General requirements for basic safety and essential performance);
- EN 60601-1-2 (Electromagnetic Compatibility);
- EN 60601-1-6 (Usability);
- EN 62304 (medical device software);
- EN 60601-1-11 (Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment);

### MARK
- CE 0651

### ENVIRONMENTAL CONDITIONS OF TRANSPORTATION AND STORAGE
- Atmospheric temperature: -40 a +70 °C
- Relative humidity: 10% - 90%
- Atmospheric pressure: 500 - 1060 hPa

### ENVIRONMENTAL CONDITIONS OF USE
- Atmospheric temperature: 0 - 40 °C
- Relative humidity: 30% - 75%
- Atmospheric pressure: 700-1060hPa

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