STIMULATION MODES:


- **Bipolar Interferential Current:** Amplitude-modulated square-wave bipolar current. Sinusoidal frequency: 1000÷2500 Hz. Intensity: 0÷250 mA (Ipp).


- **Burrit:** Rectangular bidirectional symmetrical pulses. Action: 0.25 s. Rise: 30 µs. Fall: 30 µs.

- **Knezi:** Interceptive sinusoidal current. Sinusoidal frequency: 1000÷2500 Hz. Modulation frequency: 5÷200 Hz. Intensity: 0÷250 mA (Ipp).

- **Traubert:** Rectangular unidirectional current. Pulse duration: 2 ms. Pause: 1 ms. Intensity: 0÷30 mA (Ip).

- **AMF:** Rectangular bidirectional symmetrical pulses. Rise: 2 s. Fall: 2 s. Intensity: 0÷30 mA (Ip).

- **Faradic Current:** Unidirectional pulses. Frequency: 1÷100 Hz. Intensity: 0÷150 mA (Ip).

- **Triangular/Exponential Pulses:** Duration: 1÷1000 ms. Pause: 1÷5 s. Intensity: 0÷30 mA.

- **PM:** Rectangular bidirectional symmetrical pulses. Sweep adjustable from 2÷10 Hz. Duration of pulses adjustable.

- **Diastolic Currents:** Single-phase (MP), two-phase (DP), short-pulse (SP), long-period (LP). Frequency: 0÷500 Hz. Intensity: 0÷10 mA.

- **Triangular/Pulsed:** Triangular unidirectional pulses. Duration: 1÷5000 ms. Pause: 1÷5 s. Intensity: 0÷10 mA.

- **Rectangular Pulsed:** Rectangular unidirectional pulses. Frequency: 2÷200 Hz. Amplitude: 250 µs (I.M.)

- **Agonist/Antagonist:** Rectangular bidirectional symmetrical pulses. Stimulates an agonist-antagonist reaction.

- **Agonist/Antagonist with Fardic Current:** Unidirectional pulses. Frequency: 1÷100 Hz. Intensity: 0÷130 mA (Ip).

- **Agonist/Antagonist with Kotz Current:** Intermittent sinusoidal current. Sinusoidal frequency: 1000÷2500 Hz. Modulation frequency: 5÷200 Hz. Intensity: 0÷250 mA (Ipp).

- **Burst:** Rectangular bidirectional symmetrical pulse. Rise: 2 s. Fall: 2 s. Intensity: 0÷30 mA (Ip).

- **High Voltage Mod:** Double unidirectional pulse. Polarity: positive or negative. 200 V on 5 KOhm. 160 mA on 500 Ohm.


**EXCEPTIONAL RANGE OF PRESET PROGRAMS**

- Two fully independent channels
- High quality of preset programs available
- Possibility of creating/saving your own programs
- High power output
- Extremely simple to operate
- AC International s.r.l.

**Multi Parameters Protocols**

- Exceptional range of preset programs
- Possibility of creating and saving your own programs
- High power output
- Extremely simple to operate

**I/T Curve:**

- Automatic definition of the intensity / time curve for partially denervated muscles. Automatic calculation of rheobase (minimal electrical amplitude of infinite duration that results in the contraction of a muscle), chronaxie (minimum time over which an electric current doubles the strength of the rheobase needs to be applied). Possibility of saving the I.T. curve in the database.

- Here is a sample of an I.T. curve:

![I/T Curve](image)

**System (Multi Parameters Protocols):**

- It means Multi Parameters Protocols that are included in the FIRING stimulator equipped with a new generation microprocessor.

- These protocols are extremely complex protocols that are reproducing the physiological muscle contraction. During the Multi Parameters Protocols, the energy levels of every single phase, the dose frequencies, frequency sweeps, the frequency of the pauses are adjusted automatically and continuously during the program.

- Here is a sample of a graphic of the system:

![Graph of System](image)
FIRING

(7F00) DUAL-CHANNEL ELECTROTHERAPY

FIRING is a state of the art portable stimulator for Physiotherapy/Rehabilitation. Using the most advanced electronic technology combined with the extremely simple user interface, FIRING will satisfy the most demanding physiotherapists. Great attention was paid to the development of complex algorithms monitoring operation at any time.

In a modern and sleek design, the unit is packed with INNOVATIVE features:
- A huge preset library of programs for most pathologies. These programs (together with the large number of waveforms included in the machine) will make FIRING the most comprehensive toolkit available in the market.
- Possibility of creating and saving user-defined programs.
- Patient database: store patient data with treatment history.
- Two completely independent channels individually programmable.
- Improved output power.
- Pain level evaluation for each recorded patient at the beginning and at the end of the treatment.
- Diagnostic analysis with Intensity/Time (I/T) curve. (*)
- Perineal Treatments with preset programs.
- Widest selection of currents / waveforms used both in rehabilitation and pain therapy. (*)
- MFP® System: extremely complex programs and protocols that will change frequency, duration pulse, sweep, rest/action frequency, intensity and relax time. All these parameters are automatically changed during the program without operator intervention. (*)
- Creating and saving automatic sequences i.e. groups of programs in sequence.
- Connection to an ultrasound machine available (optional cable required).
- Large high quality graphical monitor for better screen visibility.
- Immediate availability of a selection of "favorites" programs user defined. Still, with all these features, FIRING is extremely easy and intuitive to operate.

**Technical Data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>115÷230 V~, 50-60 Hz</td>
</tr>
<tr>
<td>Power input</td>
<td>45 VA</td>
</tr>
<tr>
<td>Weight</td>
<td>3.8 Kg</td>
</tr>
<tr>
<td>Dimensions (LxWxH)</td>
<td>27 x 32.8 x 23 cm</td>
</tr>
<tr>
<td>Safety Class</td>
<td>I type BF (CEI EN 60601-1, CEI EN 60601-2-10)</td>
</tr>
</tbody>
</table>

**Standard Accessories**

2 pc. - Electrostimulation Cables [1] (C/IS-S)
4 pc. - Electrodes 60X40 mm [2] (EL1-P)
2 pc. - Electrodes 60X60 mm [3] (EL2-P)
2 pc. - Electrodes 60X120 mm [4] (EL3-P)
4 pc. - Pads for EL/1-P [5] (SP/1)
2 pc. - Pads for EL/2-P [6] (SP/2)
2 pc. - Pads for EL/3-P [7] (SP/3)
2 pc. - Elastic straps 50 cm [8] (F6)
2 pc. - Elastic straps 100 cm [9] (F7)
2 pc. - Splitting cables [10] (C/SD)
1 pc. - Power cable [11] (C/A)

**Optional Accessories**

- Ultrasound connection cable [12] (C/U)
- Cable with 2 mm plug [13] (C/5P)
- Point Electrode [14] (EV/1)
- Vaginal electrode [15] (EV/1)
- Vaginal electrode [16] (EV/2)
- Vaginal electrode [17] (EV/3)
- Vaginal electrode [18] (EV/4)
- Anal electrode [19] (EL/A)
- Evoline bag [20] (A02.001241)
- Evoline trolley [21] (A01.00056)

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(*) See page 4 for additional information.