

# FISIOSONIC®

THE MULTIFREQUENCY ULTRASOUND IN CLASS E







Indications:
EPICONDYLITIS
MUSCULAR LESIONS
IMPINGEMENT
SYNDROME
TENDINITIS
FIBROUS ADHESIONS
FIBROMYALGIA
MUSCULAR TENSIONS
MUSCLES
CONTRACTURES
ACTIVE HYPERAEMIA

The **automatic frequency switching** is obtained by the exclusive **A.F.S.** (**AUTOMATIC FREQUENCY SWITCHING**) **device**. This device makes it possible to exploit the various focalizations of 1 and 3 MHz frequencies at the same time, allowing to set different supplying times for each frequency. This feature allows the operator to obtain a focalized action.

The applicators are waterproof for underwater treatments.

The instrument can be operated in **two modes: continuous** and **pulsed**. The pulsed operating mode permits to modulate the energy (duty-cycle from 10% to 90%) in order to reduce the thermal effect and keep the peak pressure applied by the acoustic wave on the tissues steady. The output power density can be adjusted from  $0 \text{ W/cm}^2$  to  $3 \text{ W/cm}^2$ .

**Fisiosonic**<sup>®</sup> is equipped with **self-calibration system** and **visual and sound contact control system**. The appliance is equipped with an inlet for electrotherapy appliance connection (Modulo series); the operator can then carry out a **combined therapy** with any applicator.

**Fisiosonic®** is equipped with a **library of preset therapeutic protocols** focused on severe and chronic pathologies. It provides the operator the **option to create customized programs** for a patient and indicated for specific pathologies or areas to be treated, for rapid and efficient therapies.

The user interface, equipped with keyboard and graphic display, has a decidedly modern and professional look.

### **OPTIONAL ACCESSORIES:**

- A Multifrequency applicator Ø 21mm.
- B Rotary multidisc scanning multifrequency applicator.
- C Multidisc scanning multifrequency applicator.
- D Double multidisc scanning multifrequency applicator.
- E Elastic band.
- F Multifrequency applicator Ø 55mm







# **AVAILABLE ALSO IN TOUCH SCREEN VERSION**

The interface of **Fisiosonic**® in **Touch Screen** version displays the parameters on a **large color display** that allows to **remotely read** and gives to the operator the possibility to **select, modify and keep always under control** the functions and the working parameters.

A unique feature of **Fisiosonic**® touch-screen version is the **Wizard**, a **step-by-step digital guide** to use the device.

Thanks to an **intuitive software**, the Wizard leads the operator in selecting the **therapeutic preset protocols** focused on **severe and chronic pathologies**.



### PRESET PROTOCOLS

RAPID RESEARCH WITH THE INNER FINDER

for pathology, n. of program, body area

### **SELECTION FREE PROTOCOL**

frequency, frequency switching, duty-cycle, duration

## **CREATION OF PERSONALIZED PROGRAMS**

Saving data sets, 100 free storage locations, multiphase programs up to 4 phases

**UPGRADABLE VIA USB PORT** 



### **TECHNICAL FEATURES**

- MODEL: FISIOSONIC®
- COMMERCIAL CLASSIFICATION: equipment for ultrasound therapy in Class E.
- TECHNICAL CLASSIFICATION: medical device, Class I type BF.
- MEDICAL DEVICE CLASS: : Ila (Dir. 93/42/EEC, modified by the Directive 2007/47/EC).
- REFERENCES STANDARDS: IEC 60601-1, IEC 60601-2-5, IEC 60601-1-2, IEC 60601-1-6, IEC 61689.
- SIZE: 210x300x140 mm.
- WEIGHT: ≈ 3 Kg.
- POWER: ~230V single phase (~115V available upon request).
- LINE FREQUENCY: 50-60 Hz.
- POWER CONSUMPTION: 80VA.
- LINE FUSES: 1,6A delayed.
- LINE TRANSFORMER: isolation between main and secondary windings 4000V.
- ULTRASOUND FREQUENCY: 1-3MHz
- POWER DENSITY ON THE TRANSDUCERS: it may be regulated continuously 0÷3 W/cm<sup>2</sup>.
- OUTPUT POWER: Max. 15W.
- OPERATING MODE: continuous (CW) and pulsed.
- a) Continuous mode: ultrasound energy is generated continuously and the output power density is selected by the user
- b) Pulsed mode: modulation with adjustable frequency from 1 to 200Hz with duty-cycle ranging from 10% up to 90%.
- Visual and sound contact CONTROL SYSTEM and SELF-CALIBRATION SYSTEM.
- ENTRANCE for the connection to the electrotherapy devices (Modulo series).
- DISPLAY:
  - Backlit Graphic display
- 4.3" Color Touch Screen Display OPTIONAL
- TIMER: treatment time ranging from 1 min up to 30 min., with resolution 1 min.
- ACOUSTIC SIGNAL at end of treatment.
- PRESET PROGRAMS: 40 for the main pathologies.
- FREE PROGRAMS: 100 user's programs.
- $\bullet$  STANDARD ACCESSORIES: Multifrequency applicator Ø 35mm 1/3 MHz 5 cm² surface Bottle of ultrasound gel Power supply cable User Manual
- OPTIONAL ACCESSORIES:
  - Multifrequency applicator Ø 21mm 1/3 MHz 1cm<sup>2</sup> surface.
  - Multifrequency applicator Ø 55mm 1/3 MHz 10cm<sup>2</sup> surface.
  - Rotary multidisc scanning multifrequency applicator (3 discs) 1/3 MHz 32cm<sup>2</sup> contact surface.
  - Multidisc scanning multifrequency applicator (3 discs) 1/3 MHz 52cm<sup>2</sup> contact surface .
  - Double multidisc scanning multifrequency applicator (6 discs) 1/3 MHz 52cm<sup>2</sup> contact surface each applicator.
  - Trolley.
  - Soft case.
    - ( MARK: device complying with Directive 93/42/EEC, modified by the Directive 2007/47/EC.



UnipolSai FISIOLINE® instruments are covered by UNIPOLSAI product liability insurance.



MADE IN ITALY

# Fisioline® srl

Borgata Molino, 29 • 12060 VERDUNO (CN) • ITALY
Tel.: +39.0172.470432-0172.470433 • Fax.:+39.0172.470891
http://www.fisioline.com • e-mail:fisioline@fisioline.com





