

The programs

More than 150 programs tested by thousands of daily users

Therapeutic actions

- analgesic
- anti-inflammatory
- decontractants and spasmolytics
- draining and trophic
- galvanic/iontophoretic
- joint movement
- muscular strengthening
- strengthening muscle haemophilia

Pathologies

- amyotrophic
- circulatory and trophic
- muscular contractures
- dermatological
- gastrointestinal transit
- pregnancy
- morpho-aesthetic
- neurological
- osteoarticular and tendons
- perineal sphincter and anorectal
- perineal sphincter urinary and genital
- post-traumatic
- respiratory
- rheumatological
- sports

Assessments

ASSESSMENTS OF PERINEAL SPHINCTER AFFLICTIONS
Women - Men - Children

ASSESSMENTS OF NEUROPERIPHERAL AFFLICTIONS

Perineal disorders

FEMALE PERINEUM

- stress urinary incontinence
- mixed urinary incontinence
- bladder instability
- dyssnergies
- postpartum disorders
- anorectal disorders
- episiotomy pain
- muscles and tendons pain - peri and postpartum
- preparation for urethrosesal surgery
- reprogramming of the locking reflex

MALE PERINEUM

- Incontinence after prostatectomy
- Preparation for prostate surgery
- Rehabilitation of anal continence reflexes
- Erectile Dysfunction

PAEDIATRIC DISORDERS

- Retentions
- Encopresis
- Dissynergies
- Etc.

PHENIX LIBERTY IS DELIVERED WITH:

- 1 central unit and its 15" touch screen
- Integrated DAL software, DAL network compatible
- 1 ergonomic console on wheels with keyboard
- 1 POD Stim/Bio 2 channels
- 1 stylus
- 1 remote control
- 1 bag of 4 electrodes 50 x 50
- 1 bag of 2 elastomer electrodes 55 x 70
- 1 probe connection
- 3 straps
- 1 standard power supply medical
- 1 user manual

TECHNICAL FEATURES

- **Electrostimulation**
2 stimulation channels per POD
Maximum current: 100 mA
Setting in steps of 0.5 mA
Pulse width: 30 µs to 300 ms
Frequency: 1 Hz to 400 Hz
Excitomotor, analgesic, trophic, neuroperipheral currents
Optional Interferential POD (2000 Hz carrier)
- **Biofeedback**
2 biofeedback channels per Pod
Scale: 0 to 2000 µv on 3 levels of gain
Display types: guide curves and/or bar graph
Biofeedback Sound
Integrated recreational function
- **Measurements**
CPU: 35 x 33 x 14 cm
POD: 8 x 5 x 2 cm
Console measurements with the Liberty and the PODs: height 145 cm, base width 57 cm, depth 40 cm
- **Weight**
CPU: 4 Kg
Pod: 80 g
- **POD battery**
Lithium Polymer long-life
- **Electrical supply safety category**
Class I BF
- **Safety tests**
The PHENIX Liberty complies with the IEC60601-1 standard on safety regulations for medical electrical equipment, the standard on electromagnetic compatibility IEC 60601-1-2 and the standards EN 300 440-2 and EN 300 328 following recommendation 1999/519/CE for wireless communication and the safety standard for nerve and muscle stimulators IEC 60601-2-10.

Warning: not all printers can be connected to your PHENIX Liberty. We advise you to contact our technical department (Tel: +33 (0)4 67 27 48 89 - Email: sav@vivaltis.com) before choosing a printer.



CERTIFICATION

VIVALTIS is ISO 13485 certified by LNE/GMED. The PHENIX Liberty is a Class IIb device designed and manufactured according to Directive 93/42/EC. Its compliance with the Directive is validated by the presence of a label marked CE 0459.

INNOVATION



The PHENIX USB Neo and PHENIX Liberty wireless technology has won the FIEEC award (Federation of Electrical, Electronic and Communication Industries).

AFTER SALES SERVICE

The PHENIX Liberty is a medical device designed and manufactured to meet the international and regulatory requirements. Technicians VIVALTIS, who are specialized in your device, are at your disposal Monday to Thursday from 8 am to 6 pm and Friday from 8 am to 5 pm.
By phone : +33 (0)4 67 27 15 43

INNOVATION

VIVALTIS chose Montpellier, regional capital because of the international influence of its Medical University and research centres. This proximity fosters a regular cooperation between its engineers with the teams of Montpellier University and the Faculty of Medicine of Montpellier-Nîmes.

More than 30.000 therapists worldwide, using devices PHENIX every day, are testament to its reliability. The PHENIX Liberty range is enriched by their experience.



The PHENIX® devices are designed and manufactured by:

VIVALTIS

ELECTRONIC CONCEPT LIGNON INNOVATION

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PHENIX Liberty

Wireless stimulation and biofeedback



for static or mobile neuro muscular reprogramming

for perineal rehabilitation



Wireless link
• Freed up space
• Unparalleled biofeedback accuracy and stability
• Static or mobile neuro muscular reprogramming



Integrated PC
• No risk of conflict, no configuration required, no problem of communication



Touch screen
• Simple and instant selection and settings



Treatment wizard using clinical signs
• Simplicity and efficiency

Perineal rehabilitation

Osteoarticular
Rheumatology

Drainage and trophicity

PHENIX liberty
VIVALTIS

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PHENIX Liberty

Revolutionary ergonomics



The PHENIX Liberty is composed of a central unit with a 15" colour touch screen, one POD stim/bio, one POD universal and an ergonomic and mobile console.

A POD stim/bio is a mobile unit for stimulation and biofeedback, which communicates with the CPU wirelessly. Each POD stim/bio has two stimulation channels and two biofeedback channels. In stimulation, it is possible to use up to 3 additional PODs stim/bio, available as an option.

Using this unique architecture the PHENIX Liberty combines the performance of a digital device and the flexibility of a miniaturized unit.

The daily ergonomics



Quality of the stimulation

By removing the latency between the negative pulse and the positive pulse, repolarization of the cell is immediate and stimulation becomes more comfortable, allowing unprecedented muscle recruitment.

For joint and muscle rehabilitation the wireless link between the CPU and POD installed on the patient revolutionizes the practice of electrotherapy. All exercises in motion are now possible in stimulation and biofeedback.



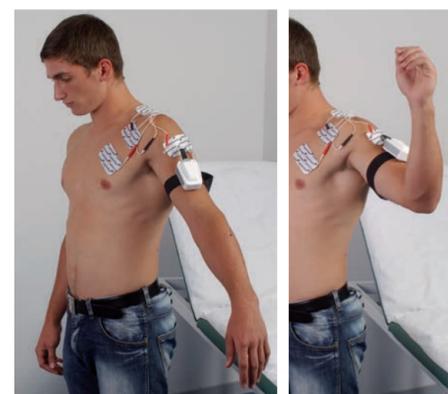
The stimulation and biofeedback POD is a two channel telemeter. This is the ideal tool for proprioceptive exercises regardless of patient position and particularly for upright pelvic floor muscle training.

Quality of the biofeedback

The latest generations of amplifiers provide fluidity for biofeedback curves, signal purity and unprecedented insensitivity to environmental interference. In addition to these intrinsic qualities, the wireless link adds to these exceptional qualities.



The PHENIX Liberty has a comparison tool that is very easy to implement and communicate. It is based on the recorded biofeedback sessions and takes into account of both quantitative (average EMG value) and qualitative (percentage of targets achieved) aspects.



Deactivation exercise for shoulder under electrostimulation and biofeedback. The patient becomes aware of his/her disrupted physiological condition and changes it by analytical and recordable voluntary action. Visual contraction guides stimulate muscle recruitment intensity and quality. Biofeedback enables the patient to take an active role in the rehabilitation and the functional objective is achieved more quickly.

The treatment wizard

« Wireless technology frees up the treatment area around your patient. Setting up the POD is very simple and the launch of the protocol is at your fingertips or you can use the stylus »



You observe, question and evaluate the clinical signs:

- **Urogynaecology:** SUI, urge incontinence, leakage, pain ...
- **Physiotherapy:** pain, inflammation, amyotrophy, oedema...

The wizard finds the answers and organizes them into a coherent and global treatment.



NOVELTY

Super Ludik' software

Motivate your patient by transforming a stimulation session and biofeedback into a moment of play. Your patient remains focused on his feelings, he reaches the goal and progresses.



POD UNIVERSAL

Universal POD allows connection from a peripheral to your device : Pelvimeter, manometer or anorectal evaluation and rehabilitation kit. It is delivered as standard, with the order of one of these devices.

Options



POD MULTIPATIENT

Multiply the electrostimulation applications of your PHENIX Liberty with one or more independent PODs. Each POD MultiPatient enables you to treat a patient while your Liberty is used to treat another patient. From your Liberty (even during treatment) you can transfer a stimulation program in 2 seconds to your POD MultiPatient. You can therefore start your treatment in another box or at home.

A POD MultiPatient has two stimulation channels (analgesia, strengthening, drainage, trophicity ...) and can also be used with the Liberty as a second treatment POD for programs requiring 4 stimulation channels.



POD INTERFERENTIAL

Interferential currents have the capacity to pass through tissue better and to reach deeper muscle layers.



THE PHENIX PELVIMETER

The PHENIX pelvimeter is a proprietary measurement instrument with a range of functional and organic pelvic floor parameters. It enables the origin of dysfunctions to be detected and guides the selection of rehabilitation techniques. The PHENIX pelvimeter is also a digitally operated working tool.

The PHENIX MANOMETRIC MODULE

In many therapeutic situations it may be useful to use an inflatable probe (vaginal or anal) connected to a manometric module.

PHENIX one, two or three channel digital manometric module allows you to display recorded pressures of the balloons on the screen and to practice biofeedback exercises for:

- rehabilitation of sphincter deficiencies;
- evaluation of anal continence reflexes;
- rehabilitation of constipation;
- rehabilitation of anal-rectal dyssynergies (RSSR work).

With the wireless technology of the PHENIX Liberty the use of a manometric module and an inflatable sensor becomes easier.

THE ANORECTAL EVALUATION AND REHABILITATION KIT

- 1 PHENIX digital manometric module
- 1 control pedal
- 1 double balloons anal probe
- 1 syringe - 1 spreadsheet software

Any therapist who has carried out an anal profile and determined the thresholds triggering RAIR and RSSR will have encountered difficulties of all kinds (technical aspects, taking measurements, records, compliance with hygiene rules). The PHENIX KIT guides you on-screen, so you can work with your hands free and trigger the measurements taken and recordings with the pedal. At the end of the evaluation a rehabilitation session that takes account of the set values is automatically prepared.

