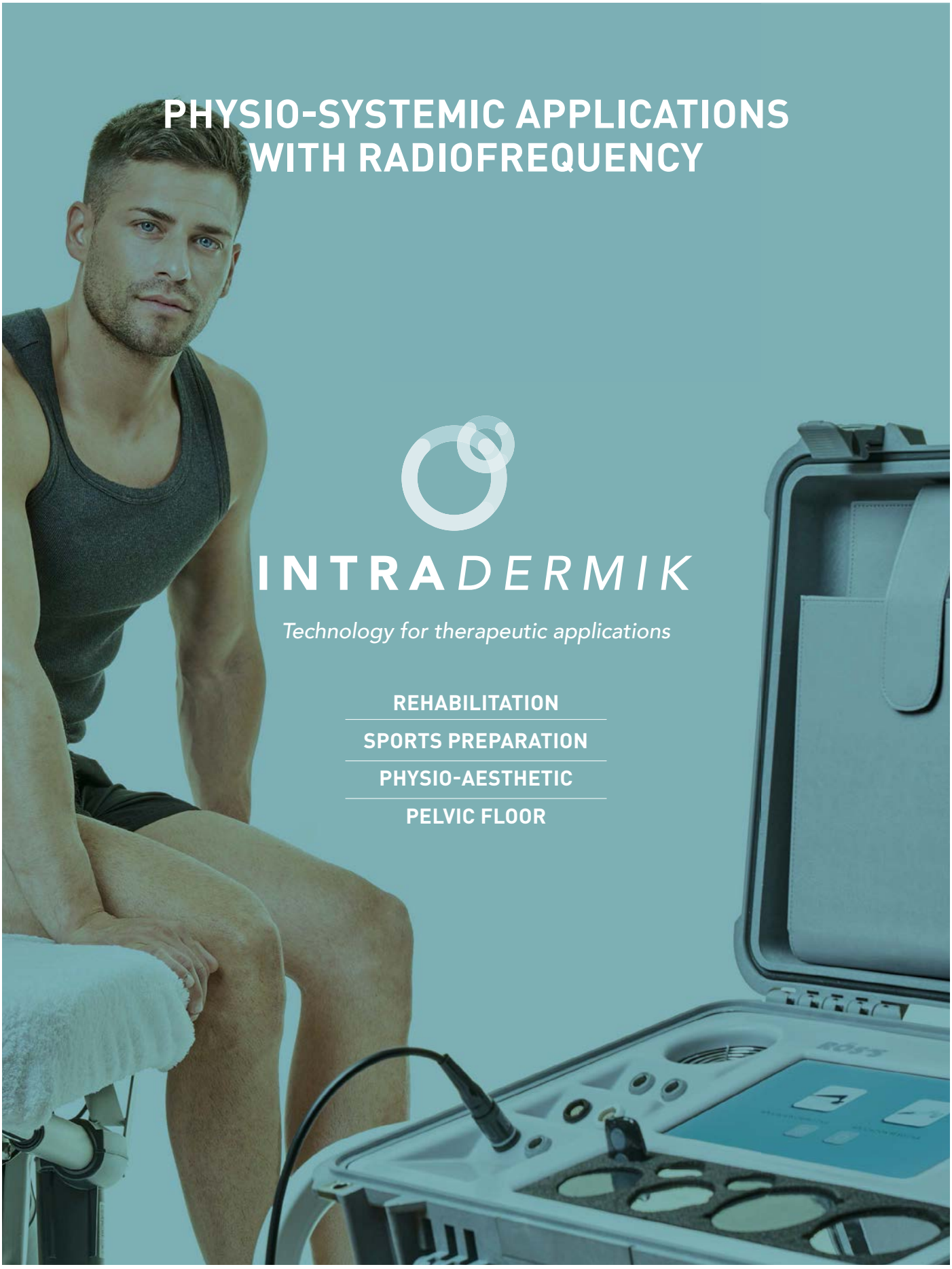
PHYSIO-SYSTEMIC APPLICATIONS WITH RADIOFREQUENCY



INTRADERMIK

Technology for therapeutic applications

REHABILITATION

SPORTS PREPARATION

PHYSIO-AESTHETIC

PELVIC FLOOR

RÖS'S

Advanced technology

Intradermik is the capacitive and resistive electromagnetic transfer technology that inspires your professional recovery, rehabilitation or sports preparation treatments.

RÖS'S, the manufacturer of technology for therapeutic use, is committed to comfort, pragmatism, functionality and robustness in the design of this product. We have developed the most comprehensive the energy and application mode technology mix on the market to complement your treatments and offer you the most appropriate therapy for each patient.

Advantages of Intradermik

POWERFUL

Emitting at a **frequency of 448kHz** and with powers of **450 volt-amperes** (capacitive application) and **200 watts** (resistive application), Intradermik is one of the most powerful devices in its class.

CONFIGURABLE

Boost your professional growth thanks to its pre-installed ELECTRO-STIMULATION outputs. A future with up to **33 electro-currents** at your fingertips.

INNOVATIVE

Physio-systemic application with radiofrequency is a treatment inspired by the need to free your movements and those of the patient. This patented system invites research in various specialities.

COMPACT AND PORTABLE

Make your mobility easier with protection guarantees for technology. Its portable carrying case with an approved design is watertight and tested against impacts.

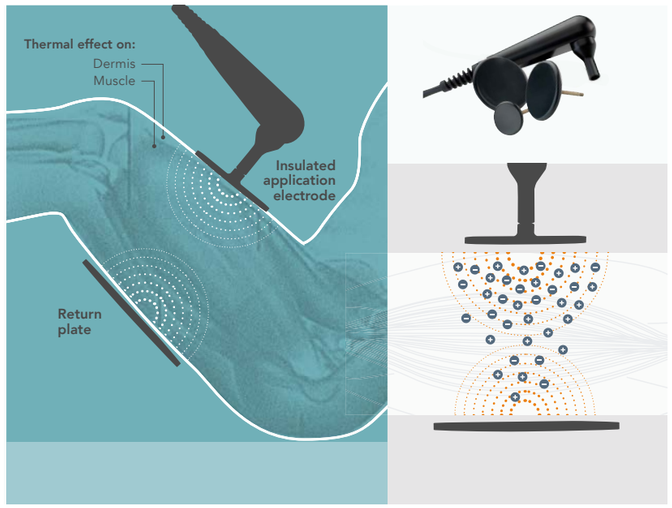
INTRA*DERMIK*

PORTABLE TECARpro

Intradermik 448kHz. Action from within, systemic benefits.

The emission frequency of Intradermik radiofrequency is 448kHz, a technique known as **diathermy** or **tecartherapy**. It consists of the generation of a closed electromagnetic current circuit that runs between two poles: the so-called active pole and the return pole. Active electrodes are classified as capacitive or resistive depending on the material they are made of, which determines how they deliver energy and its effect on target tissues.

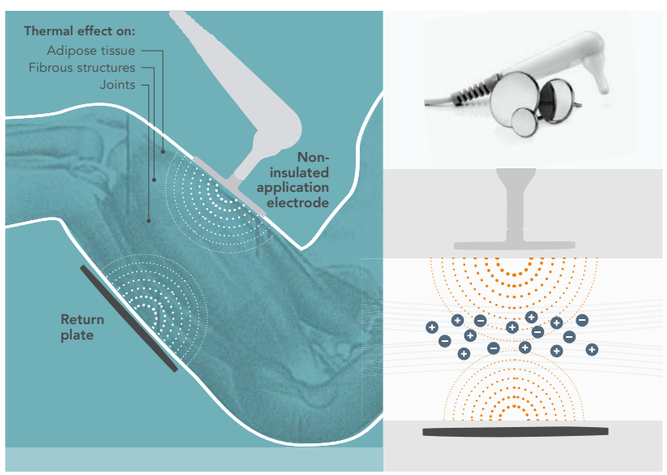
Capacitive application



It is applied with a moving metal electrode isolated by a plastic cover and the circuit is closed with a return plate. An electrical field is generated between the moving electrode and the return plate.

The condensing effect between the two poles causes a movement of bipolar water molecules that oscillate at a rate of 448,000 times per second. As a result of these molecular rubbing movements, the temperature gradually rises in the structures just below the moving electrode and with a higher content of bipolar molecules, specifically the dermis and muscle.

Resistive application

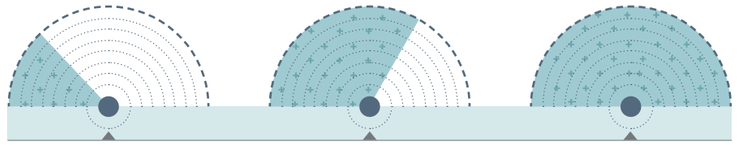


It is applied with a non-insulated moving metal electrode and the circuit is closed with a return plate.

Current is concentrated in structures that offer greater resistance to its passage, mainly bone, osteo-tendinous and ligamentous structures.

The selected emission frequency (448 kHz) is widely recognised by the medical and physiotherapy community.

This frequency causes movement in tissue ion charges, which has biostimulatory and thermal effects depending on the intensity applied. The lower the intensity or delivered energy flow, the less the effect and less thermal sensation achieved, which is a suitable option in acute phases. The higher the intensity, the more the thermal sensation achieved with vasodilatory and regenerating effect.



DEGREE OF INTENSITY	INFRATHERMIC INTENSITY	THERMAL INTENSITY	HYPERTHERMIC INTENSITY
SENSATION	There is no thermal sensation, but there is an ion exchange effect.	Moderate increase in thermal sensation with vasodilatory effect.	Intense thermal sensation with neocollagenetic effect.
EFFECTS	• Pain reduction. • Accelerated drainage of oedemas and haematomas.	• Increased oxygenation and tissue nutrition. • Tissue relaxation. • Improved vascularisation.	• Increased tissue elasticity. • Optimisation of joint mobility and recovery of gestural function. • Recovery of muscle strength and endurance.
PHASE	ACUTE	SUBACUTE	CHRONIC

Physio-systemic applications

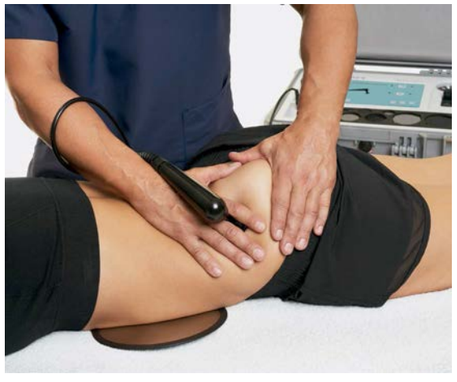
Intradermik technology inspires your treatments

Intradermik is prepared to house two technologies, 11 types of application electrodes, up to 33 electro-stimulation currents and countless application possibilities to design your own therapeutic protocol. We invite you to discover the most important ones.

Proprietary usage mode

Professional and patient enjoy maximum freedom of movement. The double bracelet for systemic treatments is specially designed for sports physiotherapy and musculoskeletal rehabilitation specialists.

Recovery times are improved through synergy between energy and manual therapy.



Hands-free application with return bracelets.
Increased energy supply in the injured area.
Improved recovery times.

Hands-free application with return plate.
Maximum freedom of movement.

Systemic applications.
Optimal for activation or relaxation treatments.

Reinventing traditional applications

TRANSARTICULAR APPLICATION WITH CLASSIC CAPACITIVE ELECTRODE
Ø 30mm - Ø 50mm - Ø 70mm

APPLICATION WITH CONCAVE ELECTRODE

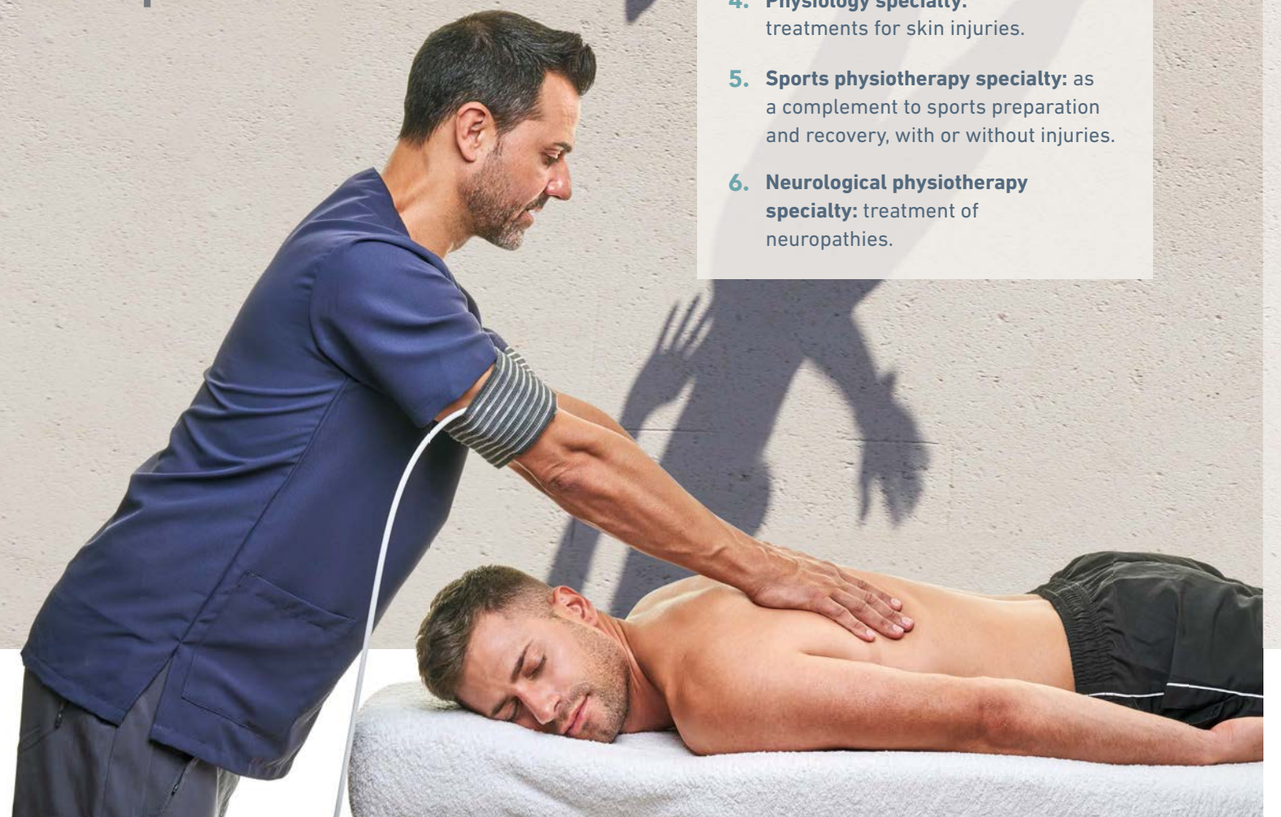
APPLICATIONS WITH MOBILISATION AND RESISTIVE ELECTRODE
Ø 30mm - Ø 50mm - Ø 70mm

Hands-free bracelet application and systemic application.
We replace traditional electrodes with sophisticated resistive bracelets and return bracelets.
Energy is integrated into your manual therapy by allowing you maximum freedom of movement and complete control over therapy, making each of your treatments accurate and personal.

An ally for both professional and patient

The biostimulatory and thermo-activatory function of Intradermik is very useful in a large number of physiotherapy specialties.

1. **Traumatology specialty:** treatment of bone, muscle, ligament or joint injuries.
2. **Pelvic floor physiotherapy specialty:** treatment of both female and male dysfunctions.
3. **Respiratory physiotherapy specialty:** muscle tone training and improvement of involved muscles in diaphragm and chest.
4. **Physiology specialty:** treatments for skin injuries.
5. **Sports physiotherapy specialty:** as a complement to sports preparation and recovery, with or without injuries.
6. **Neurological physiotherapy specialty:** treatment of neuropathies.



Benefits for the patient

Acceleration of recovery

Thermal action reduces pain sensation and promotes tissue regeneration and elasticity due to increased vascular flow. This reduces recovery time due to increased tissue metabolism.

Absolute compatibility with manual therapy

In both traditional applications and physio-systemic applications, synergy between hands and energies is optimum. Particularly beneficial for acute injuries.

Reduction of discomfort and pain

The sedative effect and improvement in tissue elasticity not only allows you to perform therapy in acute patients more effectively, but will also improve patients' quality of life.

Restoring movement

Vascularisation of the stressed tissues accelerates recovery of joint movement.

Enjoy comfort and functionality

- **Intuitive operation thanks to the 10.1’ capacitive touch screen**
- **Safety remote command for intensity and time**
- **USB input for software update**
- **Applicator holders**
- **Maximum mobility thanks to its portable dimensions** (49,9 x 39,3 x 19,1 cm)
- **Indicator of the level of watts delivery according to tissue impedance**

Technology with professional growth options.

Electrode and software upgrades allow you to collaborate with other professionals and to expand your specialties.

Discover the treatment expansion kits by downloading their catalogues here.

ELECTRO-STIMULATION SOFTWARE FOR GENERAL TREATMENTS

- EMS signals (13 currents)
- KOTZ signals (5 currents)
- TENS signals (3 currents)
- Interferential signals (9 currents)

Three outputs to work several areas simultaneously.

ELECTRO-STIMULATION SOFTWARE FOR PELVIC FLOOR TREATMENTS

- TENS signal
- EMS signal Strengthening
- EMS signal Toning

Endocavitary electrode designed by RÖS'S with plastic tip protector reinforces efficacy and safety.

Support for professionals

Continuing training

Dossier of general protocols

Dossier of pelvic floor protocols

Digital support to optimise depreciation

Communication media

ACCESSORIES

Code	Accessory	Quantity
04BPRF6	CAPACITIVE APPLICATOR	1
04BPRF8	RESISTIVE APPLICATOR	1
4B1R30	CAPACITIVE ELECTRODE 30 mm	1
04B1R50	CAPACITIVE ELECTRODE 50 mm	1
04B1R70	CAPACITIVE ELECTRODE 70 mm	1
04B1C30	RESISTIVE ELECTRODE 30 mm	1
04B1C50	RESISTIVE ELECTRODE 50 mm	1
04B1C70	RESISTIVE ELECTRODE 70 mm	1
04B0001	DIATHERMY RETURN PLATE	1
08BP041	REMOTE CONTROL	1
04PT030	APPLICATOR HOLDER	2
6600200	CONDUCTIVE EMULSION 1000 mL	1

EXPANSION KITS*

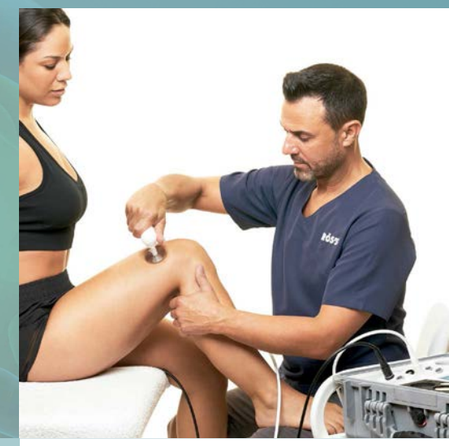
08BP071	APPLICATION KIT FOR PELVIC FLOOR TREATMENTS. SOFTWARE AND ACCESSORIES.
08BP080	APPLICATION KIT FOR ELECTRO-STIMULATION TREATMENTS. SOFTWARE AND ACCESSORIES.
08BP060	SYSTEMIC BRACELETS
04B1C00	CONCAVE CAPACITIVE ELECTRODE

*On request

0089030
INTRADERMIK

Height: **200 mm**
Width: **390 mm**
Depth: **490 mm**
Weight: **13 kg**

Electrode: **Monopolar**
Applications: **Resistive and Capacitive**
Frequency: **448 kHz**
Type of emission: **Continuous**
Electrodes Resistive and Capacitive: **30 mm, 50 mm and 70 mm**
Capacitive power: **200 W**
Resistive power: **450 VA**



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