

## THE NEXT GENERATION DEEP HEAT



### Smart technology by Enraf-Nonius

The TECARPULS is a special device for CET therapy (Capacitive Energy Transfer), a non-invasive treatment that awakens the body's natural ability to self-regenerate, using a frequency of 500 kHz.

The TECARPULS produces "deep heating" in a controlled manner using electromagnetic energy (diathermy). The reactions produced by the TECARPULS through capacitive electrodes are focused on soft tissues, muscles and peri-articular structures.

The transfer of energy generates optimal, local deep heat, which immediately increases local circulation, reduces pain, improves elasticity and therefore improves mobility. The main advantage is that it significantly shortens recovery time in the event of acute and chronic injuries.

TECAR therapy has been used with great success since 1988. Several clinical reports from research institutes worldwide have proven its remarkable effect on various injuries as seen in dermatology, traumatology and sports medicine. The localized induction of deep heat in the treated area causes an expansion of blood vessels, an increase in blood flow and an increase in metabolic rate.

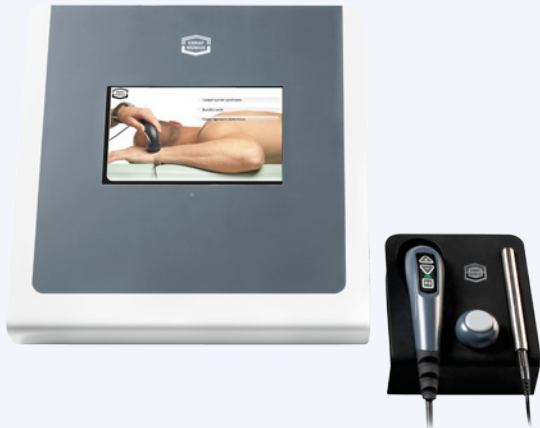
It also leads to higher elasticity in soft connective tissues improving flexibility. In addition, the localized warming lowers muscle tone. Stimulation of the thick nerve fibres provides increased nerve conduction velocity, giving the patient a clear advantage with regard to pain relief when starting rehabilitation.

The physiological responses are mainly attributed to heat output, which is directly related to total power output. Heat, as applied through diathermy, is a common treatment during a physical therapy treatment regimen.

# TECARPULS



## 1730901 TECARPULS (100-240V, 50/60 HZ)



### STANDARD ACCESSORIES

Treatment electrode, Ø 30mm  
Treatment electrode, Ø 23mm  
Blank earth electrode rod  
Silicone block  
Complete remote handle  
Electrode cable, black  
Power Supply cable  
Therapy Cream, bottle 1ltr

### OPTIONAL ACCESSORIES

3444587 Electrode Cream, bottle 1 ltr, box of 9  
3444588 Electrode Cream, canister of 5 ltr  
3444589 Hand-pump for 5 ltr canister

### TECHNICAL SPECIFICATIONS

Mains voltage 100-240 Volt ~  
Frequency 50/ 60 Hz  
Maximum power consumption 144 VA

### The Device:

Medical device classification Ila (according to MDD 93/42/EEC)  
Safety class I type BF, according to IEC 60601-1  
Patient leakage current better than IEC-req. (IEC ≤ 100 µA)  
Ditto, first wrong condition better than IEC-req. (IEC ≤ 500 µA)  
Security Tests CE-MDD  
Dimensions 302x300x126,5 mm (lwxhx)  
Weight 4.3 kg  
Fuses 2xT 2.5A H 250Vu

### OTHER PRODUCTS THAT MIGHT INTEREST YOU

#### EN-CAR U

The EN-Car U is your companion for any piece of Enraf-Nonius equipment. For laser, ultrasound, biofeedback, shockwave or electrotherapy, with the EN-Car U you have it all close at hand.

#### ORDERING DATA

1468960 EN-Car U

Please also see the separate product leaflets at  
[WWW.ENRAF-NONIUS.COM](http://WWW.ENRAF-NONIUS.COM)



## TECARPULS

*The affordable **no-nonsense** solution  
that excels in terms of ease-of-use and simplicity!*



TECARPULS



ENRAF-NONIUS B.V.  
Vareseweg 127  
3047 AT Rotterdam  
The Netherlands  
T.: +31-(0)10 - 203 06 00  
E: info@enraf-nonius.nl  
www.enraf-nonius.com

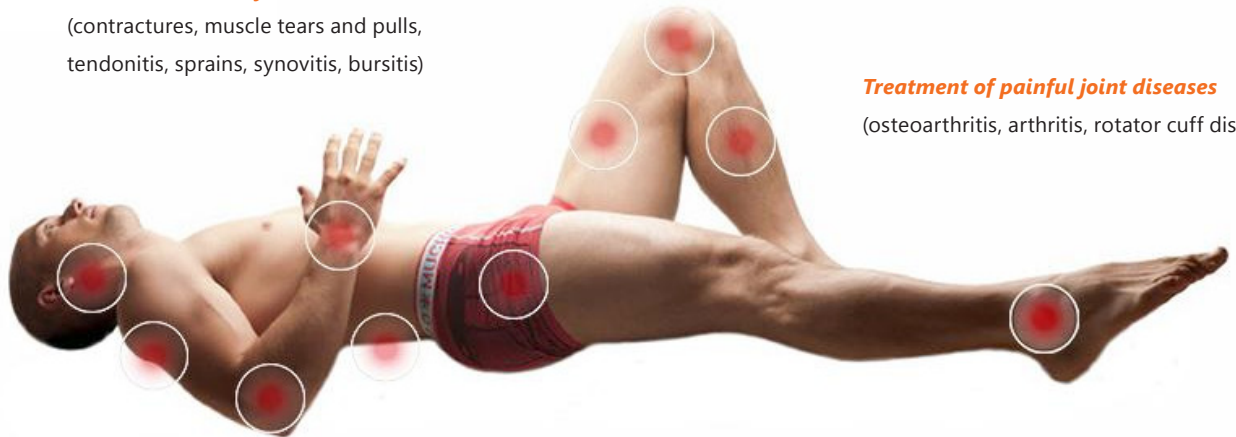
ENRAF-NONIUS

## **Musculoskeletal injuries**

(contractures, muscle tears and pulls, tendonitis, sprains, synovitis, bursitis)

## **Treatment of painful joint diseases**

(osteoarthritis, arthritis, rotator cuff disease)



**Improving muscle** and soft tissue extensibility and improving range of motion

**Inflammatory processes** that are accompanied by pain in the extremities and in the spinal column (cervicalgia, lumbago, sciatica, herniated disk, carpal tunnel syndrome, tension headaches)

- ▶ Tecar Therapy device
- ▶ Next generation deep heat
- ▶ Capacitive electrodes

**Increases** circulation

**Reduces** pain

**Increases** elasticity

**Improves** mobility

# TECARPULS

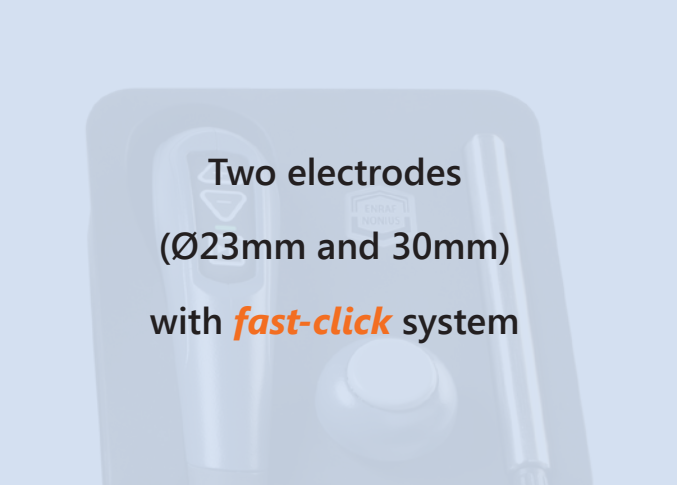
**Safe and effective** solution for  
"deep heat" diathermy

Monofrequency **500kHz CET system**  
(Capacitive Energy Transfer)

# 500kHz



Handpiece with  
**Energy Control System**  
for accurate and convenient  
adjustment of power



Two electrodes  
(Ø23mm and 30mm)  
with **fast-click** system

**No** comprehensive  
accessory package **required**



Colour **touch** screen



**Quick Access Menu**  
for fast setup and start of therapy



Indication-based library  
(pathology library)  
with easy-to-use  
**predefined treatment protocols**