

## 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 effectuates the controlled production of "deep heating" by 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 instantaneously 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 prove its remarkable effect on various injuries as seen in dermatology, traumatology and sports medicine. The localized and induction of deep heat in the treated area causes an expansion of blood vessels, increase in blood flow and an increase in metabolic rate.

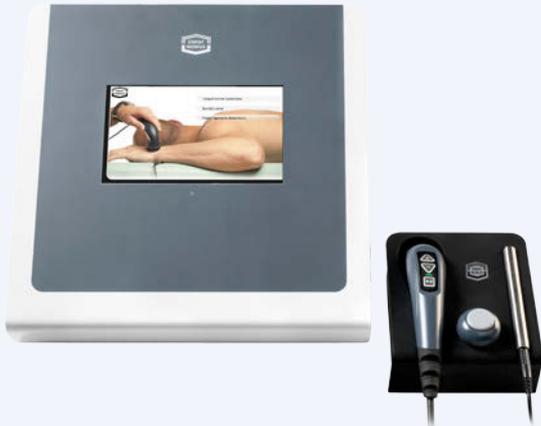
It also leads to higher elasticity in soft connective tissues improving flexibility. In addition, the localized warming lowers muscle tone. Stimulation of the thick nerve fibres gives increased nerve conduction velocity and the patient will have a clear advantage of pain relief when starting rehabilitation.

The physiological responses are mainly attributed to the heat output which is directly related to the total power output. Heat, as can be applied through diathermy, is a common treatment throughout a physiotherapy treatment regime.

# 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. (IECD 100 µA)
Ditto, first wrong condition	better than IEC-req. (IECD 500 µA)
Security Tests	CE-MDD
Dimensions	302x300x126,5mm (lxwxh)
Weight	4,3kg
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

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



**ENRAF-NONIUS B.V.**  
Vareseweg 127  
3047 AT Rotterdam  
Nederland  
T: +31-(0)10 - 203 06 00  
E: info-nl@enraf-nonius.nl  
[www.enraf-nonius.nl](http://www.enraf-nonius.nl)

## TECARPULS

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

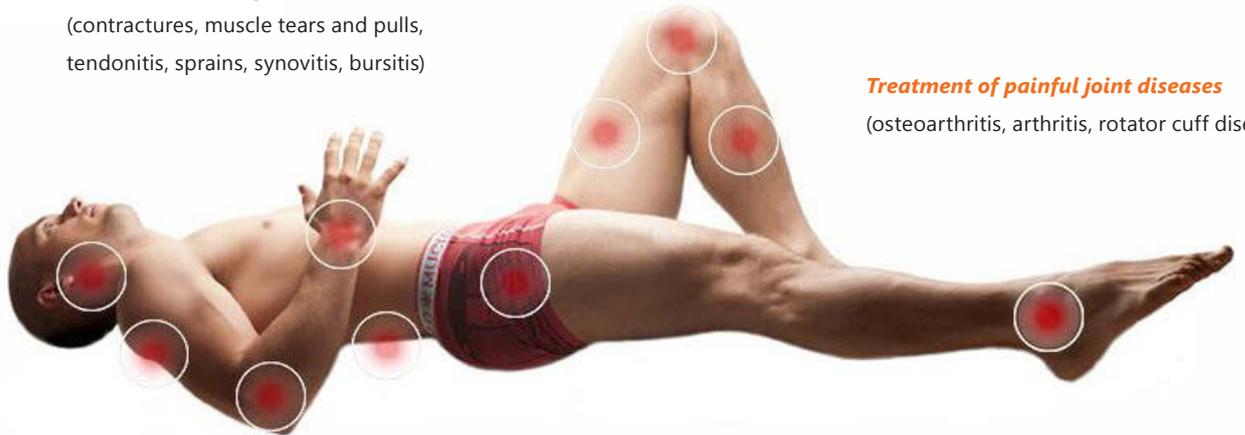


## **Musculoskeletal injuries**

(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

**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

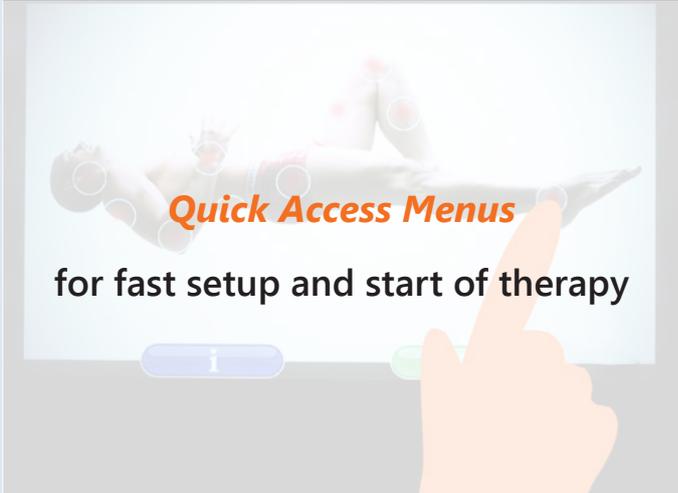


Two electrodes  
(Ø23mm and 30mm)  
with **fast-click** system

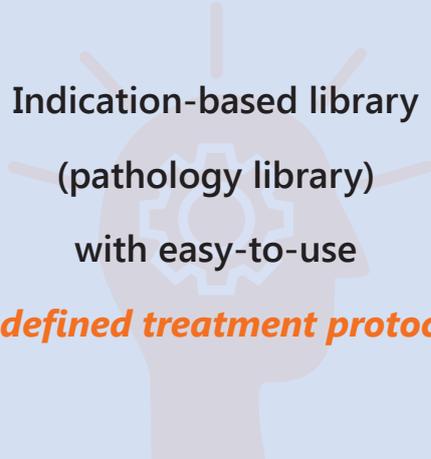
**No** comprehensive  
accessory package **required**



Colour **touch** screen



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



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