

# Cefar TENS



## Product Description

The Cefar TENS is a 2 channel stimulator used by patients at home and therapists in clinics to provide electrical stimulation treatments in pain management (TENS) and neuro muscular stimulation (EMS/NMES).

TENS (Transcutaneous Electrical Nerve Stimulation) uses the nervous system's own pain relief mechanisms to reduce both acute and chronic pain.

## Product Features

- **Mains rechargeable Lithium Polymer battery:** Plug your device directly to the mains plug to charge the battery. Fast and complete charge in less than 90 minutes with a battery life of 6 to 10 hours treatment depending on parameters used.
- **1+1 Function:** The Cefar TENS stimulator features 2 independent channels that can be managed separately. Users can select either the same program on both channels, or 2 different programs that can be used simultaneously. This allows treatment of two different body parts, or two patients simultaneously, or combines NMES and TENS as one treatment.
- **Compliance:** Keep track of patients' home treatments by monitoring how many hours of usage since the device was reset, along with total device usage.
- **Painscore:** Record patients' pain score in the stimulator before and after treatment, with a numeric scale (1-10)
- **Locking function:** Lock the program to be sure your patient will only use the appropriate program.
- **Rotatable belt clip:** Turn the belt clip to have the cable outputs on the bottom or on the top depending on the body area to stimulate.
- **Program mode:** Create up to 5 custom programs and select your own parameters.
- **Acupuncture mode:** Select the electro acupuncture mode for clinical use only.
- **3 years warranty**

## Preset Programs

P1	Gate Control HF 80Hz
P2	Burst LF 2 Hz
P3	Gate Control HF 80Hz Mod
P4	Gate Control HF 80Hz Sens
P5	Mix 80Hz/2Hz Han
P6	Neuromodulation LF 10Hz
P7	HF Flow Tens
P8	Endorphinic LF 5Hz
P9	Gate Control HF 100Hz
P10	NMES Muscle Stim 50Hz
P11-P15	Custom programs

## Technical Information

**Model:** Cefar TENS

**MDD:** Class IIa

**IP class:** IP22

**Applied part:** Type BF

**Battery:** Lithium Polymer (Li-Po) rechargeable battery (3.7V 1500 mAh).

**Weight:** 156g

**Dimensions:** 132 x 60 x 24 mm

# Specification

All electrical specifications are given for an impedance of 1500 ohms per channel for 60mA (1000 ohms for 99.5 mA).

**Outputs:** Two independent and individually adjustable channels that are electrically isolated from each other.

**Pulse shape:** Constant asymmetric rectangular current with pulse compensation for TENS programs to eliminate any direct current component to prevent residual polarisation at skin level. Symmetric for P10 NMES Program.

**Maximum pulse intensity:** 99.5 mA in Constant Current mode or 99 V in Constant Voltage mode for neurostimulation. 30 mA for electroacupuncture.

**Pulse intensity increments:** Manual adjustment of stimulation intensity from 0 to 99 mA in minimum increments of 0.5 mA for Constant Current Mode, 0 to 99 V in 1 V increments for Constant Voltage mode for electrostimulation (5V for first setp). 0,1 mA – 30mA steps 0,1 mA for electroacupuncture.

**Pulse width:** 60 to 400  $\mu$ s.

**Frequency:** 1-120 Hz

**Maximum electrical charge per pulse:** 80 micro coulombs (2 x 40  $\mu$ C, compensated)

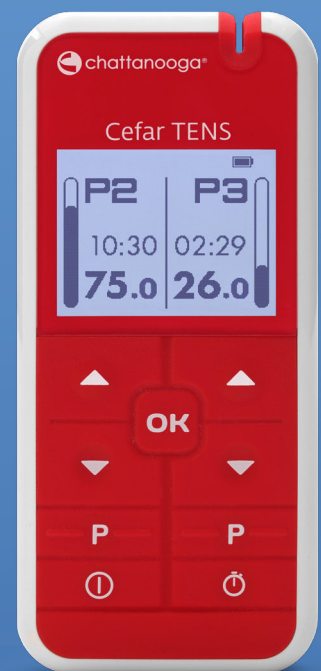
# Kit contents

**Model:** Cefar TENS

**Part number:** 2053/2061/2075/2094/2106

Quantity	Description	Part number
1	Cefar TENS device	1981
1	Fast charger EU/UK or US	2001 / 2133 or 2145
1	Set of 2 pin cables	1990
1	User manual and practical guide	13-00187 / 13-00189
1	Transportation pouch	2049
1	Necklace and clip	2023
1	Flippable belt clip	2037

Electrodes are considered as optional depending on markets.



# Ordering Information

Part Number	Description
2053	Set Cefar TENS EN-FR-NL-DE-ES - Plug EU (France)
2061	Set Cefar TENS SV-NO-DA-FI - Plug EU (Nordic)
2075	Set Cefar TENS EN-FR-NL-DE-ES - Plug EU (DACH/Benelux/Spain)
2094	Set Cefar TENS EN-FR-NL-DE-ES - Plug US (Canada/Export)
2106	Set Cefar TENS EN-FR-NL-DE-ES - Plug UK (UK/Export)

# Languages Available

English, French, Dutch, German, Swedish, Norwegian, Finnish, Danish, Spanish.



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