

# Sooma tDCS Therapy



## Transcranial Direct Current Stimulation designed for clinical use

The Sooma therapy system is designed to deliver therapeutic care using transcranial direct current stimulation (tDCS). The therapy is delivered through the Sooma tDCS device, a high-quality stimulator designed for use in clinics, hospitals and research facilities.

The stimulator uses a weak direct current which is applied noninvasively to the desired areas of the brain with two electrodes, using our patented ComfoTrode and ComfoPad solution. This offers industry leading patient comfort while ensuring that the stimulation is delivered accurately to the targeted areas.

In addition to the stimulator and accessories, the Sooma therapy system offers a cloud-based platform for remote patient management. The system ensures compliance during home-based therapy with Sooma tDCS.

# Technical system specifications

## Stimulation

Output current	0 - 3 mA direct current, adjustable in increments of 0.1 mA. Safety limits can be applied.
Output voltage	Max 18V
Application time	0 - 60 min. Adjustable in increments of 30 sec.
Ramp-Up / Ramp-Down	0.1 mA/s
Placebo mode	Supports double-blind condition with validated sham reliability.

## General

Graphical display	Instructions guiding the preparation and treatment session. Visual contact quality indication.
Dimensions	12 cm x 7,4 cm x 2,2 cm
Weight (incl. batteries)	0,2 kg

## Specifications

IP rating	IP21. Protected from touch by objects larger than 12.5mm. Protected from condensation.
Buttons	Single button operation
Batteries	User-replaceable batteries
Battery lifetime	100 hours of stimulation
Available languages	English, Finnish, Swedish, German, French, Italian, Spanish, Portuguese, Polish.

Contact monitoring	Continuous
Applied part	Type BF
EMC	EMC compatibility for hospital and home-healthcare use.

## Application and portal

Software environment	Android
Key features for patient	Treatment reminder, treatment calendar, well-being data (log and track), instructions for use.
Key features for clinician	Treatment planning, monitoring treatment progress (treatment compliance and well-being data).
Data	Coded and anonymised data transfer.

## Headcaps, electrodes and pads

ComfoCap	CCS2 CCM2 CCL2	ComfoCap for bifrontal stimulation. Small, Medium, Large
ComfoCap	CCS3 CCM3 CCL3	ComfoCap for sensorimotor area stimulation. Small, Medium, Large
ComfoCap customised placement	CCS0 CCM0 CCL0	ComfoCap without fixed electrode positions.
ComfoTrode	CE25	A pair of electrodes
ComfoPad	CP25	20 pairs of contact media pads for use with ComfoTrode electrodes.

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