Medoc
advanced medical systems

FAST.
PRECISE.
EASY.

CHEPS for TSA 2

Medoc introduces the CHEPS for TSA 2 – a perfect tool for rapid and precise heat and cold stimulation. The CHEPS for TSA 2 is a second generation of Medoc CHEPS, and its unique capabilities allow performing a wide range of advanced thermal stimulation modalities – evoked potential testing, temporal summation, and many more.

- Enables heat and cold evoked potentials testing
- Suitable for phasic temporal summation
- Wide temperature range – from 0 to 55 °C
- Rapid stimulation rates for both heat and cold stimulation
- Precise temperature control in fast and slow rates
- Large and continuous stimulation surface
- Available in fMRI configuration
- External control and TTL capabilities

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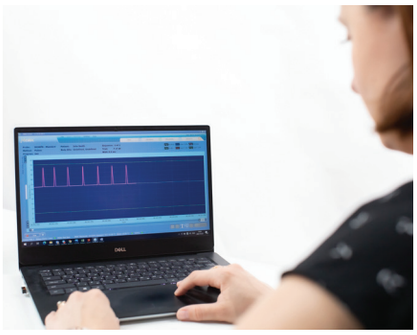
CHEPS for TSA 2

APPLICATIONS

CHEPS thermode is capable of rapid heating and cooling, which enables recording of both **heat and cold evoked potentials** via EEG. TTL IN and OUT allow full synchronization with the EEG device.

CHEPS for TSA2 is available in **fMRI configuration** with accelerated rates to apply precise and immediate thermal stimulation, to be used in the fMRI environment and with other neuro-imaging techniques.



CHEPS for TSA 2 allows the delivery of repeated fast painful stimuli, at the frequency required for **phasic temporal summation**, an important protocol in pain research.

SPECIFICATIONS

Parameter	CHEPS for TSA 2
Thermode continuous active area	• 24x24 mm • Total area: 576 mm^2*
Temperature range	0 to 55 ºC
Temperature change rate range	• Heating up at max 70°C/sec • Cooling down at max 40°C/sec • Minimum rate 0.1°C/sec
Approvals	CE, FDA

** similar surface size to PATHWAY CHEPS thermode*

ABOUT MEDOC

Medoc has been developing and manufacturing QST devices in the thermal, pressure and vibratory modalities for over 30 years. Among our clients are top hospitals, universities, and research institutions around the world. We have a longstanding reputation for reliability and a strong drive for innovation.

MORE FROM MEDOC

TSA 2
Platform for various thermal applications

AlgoMed
Pressure pain thresholds were never so easy

Q-Sense
For basic QST needs

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