

# TSA<sub>2</sub> Advanced Thermosensory Analyzer



Medoc's TSA2 offers thermal stimulation in the full range from sensation to pain, in heat and cold, using one or two thermodes simultaneously. A wide variety of thermodes is available for each body site or stimulation profile. Excellent temperature control and fast rates make the device accurate, the test repeatable, and suitable for a great number of applications.

- Fast thermal stimulation rates
- External Control capability to develop dynamic protocols using MATLAB® and similar platforms
- Dual thermode abilities for simultaneous stimulation to facilitate CPM and other advanced protocols
- Plug-and-play MRI use
- CHEPS thermode - for accelerated rates
- Various thermode sizes - 30x30, 16x16, 30x30 fMRI, 16x16 fMRI, CHEPS, CHEPS fMRI, Intraoral and Intravaginal

**APPLICATIONS**

**Dual thermode capabilities**

Have the dual thermode set-up serve you for Conditioned Pain Modulation or in psychology paradigms.



**Built-in external control**

Use external control to program, plan and synchronize thermal stimulation with other utilities.



**fMRI**

Easily switch to using the TSA2 in the fMRI, by only adding an fMRI thermode - tested in 3T and 7T.



**CHEPS**

CHEPS unique capabilities allow a wide range of stimulation protocols, including evoked potentials for heat and cold, phasic temporal summation.



**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 strong drive for innovation and a longstanding reputation for reliability.

**MORE FROM MEDOC**



**CHEPS for TSA2**  
Platform for various thermal applications



**AlgoMed**  
Pressure pain thresholds were never so easy



**Q-Sense**  
For basic QST needs