

TSA 2 CHEPS System – Technical Specifications

Parameter	Specification
Thermode continuous active area	24x24 mm Total area: 576 mm ²
FMRI compatibility	Yes, fMRI version available separately
Dual thermode port configuration	No
Temperature range	0°C – 55°C Note: range depends on the protocol used. Ramp and hold, Levels, Search, VAS Search: 0°C – 53°C Limits: 0°C – 50°C Pulses (CHEPS): 5°C – 55°C
Temperature change rate range	Heating up at max 70°C/sec Cooling down at max 40°C/sec Note: Maximal rate depends on the protocol used. Minimum rate 0.1°C/sec
Maximum duration at target temperature	600 sec
Stimulation methods	Pulses , Ramp and Hold, Limits, Levels, TSL, Chain, Search, VAS Search
External control support	Yes
Absolute temperature accuracy	± 0.3°C
Temperature repeatability	± 0.2°C
Set-Point resolution	0.1 °C
Display resolution	0.01 °C
Baseline temperature	10°C – 45°C
Programmable parameters	Method, Adaptation Temperature, Heating Rate, Cooling Rate, Number of Stimuli, ISI, Sound Option, Randomize Option, events
TTL output	Voltage: ± 5V Duration: >10[msec]
TTL Input	Voltage: 3.3V- 5V

Parameter	Specification
Accessories	2 Button Response Unit (Y/N) CoVAS (USB)* (*at additional cost)
Communication with host PC	USB (2.0)
Approvals	CE, FDA
Weight	Approx. 9 Kg
Supply voltage	100 – 240 VAC 50Hz/60Hz 5A-2.5A
Software	Dedicated graphic based software – MMS (Medoc Main Station)
Software operation system	Windows 10
PC requirements	2 GHZ and above CPU, 4GB RAM, 16 GB free disk space