



Portable and easy-to-use air-cooled fMRI thermal stimulator for your pain imaging protocols



- Plug-and-play setup in the MRI scanner suite
- 7 and 3 Tesla compatible
- Validation tests demonstrated no imaging artifact
- Available dual-thermode model for simultaneous or sequential stimulation of multiple body sites to investigate pain modulation
- Versatile programming of stimulation parameters

Functional magnetic resonance imaging (fMRI) has become a valuable tool for objectively quantifying cerebral response to pain intensity, advancing our knowledge of how chronic pain affects brain structure and activity.

New Technology

Q-Sense fMRI thermodes are non-ferrous and incorporate air flow for system temperature control, requiring no coolant or pump for operation.

Validation

Evaluation of the Q-Sense fmri System as a MR Conditional device was subjected to testing at the Erwin L. Hahn Institute at Essen, Germany - which hosts one of the world's few 7T MRI scanners. Validation run on both 7T and 3T MRI scanners.

No Artifact

The Q-Sense fMRI System passed the MRI scanner manufacturer QA testing and functional imaging test runs, showing no imaging artifacts or detectable electromagnetic interference noise.



Example of Program Setup Parameters



Example of Stimulation



Dual thermode model for simultaneous or sequential stimulation

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