

fast electrode localization system



First Prototype of a new Product

- capTRAK detects electrode positions on a subject's head and stores the values. The information of individual electrode positions is necessary for accurate source localization.
- Principle patent pending
- Automated and fast measurement
- Can be used with „LED“ electrodes
- Easy Calibration procedure

Measurement Principle

- Software controls LED on electrode
- Synchronized cameras take a picture of the situation
- Next LED lights up
- Next picture is taken
- This is continued until every electrode is localized
- Some electrodes always light up. They serve as motion detectors to correct movements of the head.

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Fast Electrode localization system

- Digitized 3D values are converted into standardized head coordinates
- Export file can be imported by Analyzer or 3rd party software (source localization)
- Operating error is eliminated
- Fully automated procedure
- Measurement time with currently available competitive systems for 64 electrodes is about 30 Minutes – capTRAK reduces the measurement period down to 20 seconds!
- capTRAK operates with actiCAP and all electrodes upgraded with easiTRAK LED's