

# CPEAK Tremor Analysis Software

## Product information

Tremors are the most commonly observed symptoms of neurological diseases. They are also seen to various degrees and in various forms in poisoning cases, metabolic disorders and mental illnesses. seleon has developed an internationally unique device for recording and analyzing tremors. It is based on a method for recording and analyzing tremors, which has been used in clinics for quiet some time and is becoming the clinical standard.

## Customer requirements

The purpose was to develop a reliable, user-friendly device that is suitable for every day use. Its operation doesn't require any special knowledge beyond that of a technical assistant in neurology. With this device a doctor can easily collect, quantify and analyze tremor data.

## Results

The seleon device functions with new 24-bit A/D converters and can record with high resolution the whole range of tremors diseases, from mild physiological tremors to severe symptoms of Parkinson's disease.



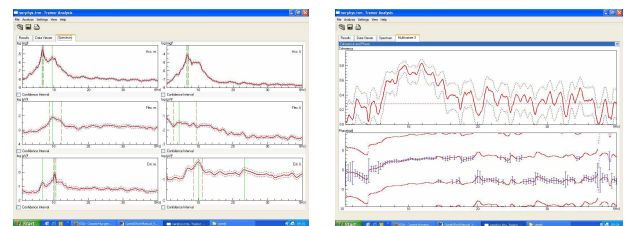
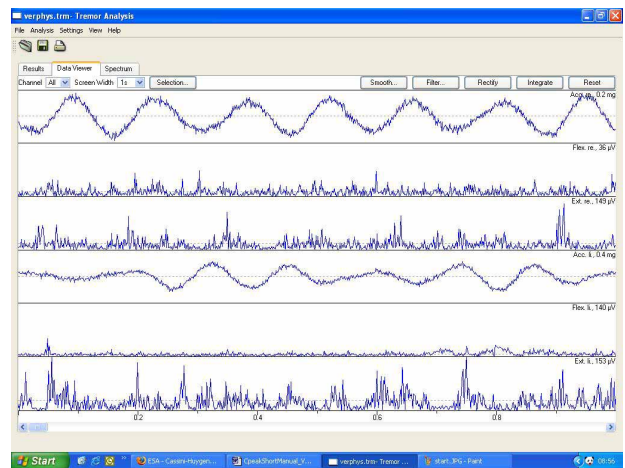
Accelerometers are placed on both hands as well as Electrodes on the underarms to measure tremor acceleration and Electromyography



The cleverly devised analysis is the result of several years of research at the Universities of Freiburg and Kiel.

This tremor analysis device has already been used on over 15,000 patients worldwide.

## Screen Shots



## Advantages

With this device a doctor can easily collect, quantify and analyze tremor data.

Over 50 scientific papers are based on measurements and analysis from this system.