

# Interacoustics VEMP Feature Overview

### **VEMP Ratio Calculated Automatically**

Mark two places on the VEMP curve and the software will calculate the VEMP ratio. The calculation uses  $(\text{amplitude}_{\text{left}} - \text{amplitude}_{\text{right}}) / (\text{amplitude}_{\text{left}} + \text{amplitude}_{\text{right}})$  and expresses the result as a percentage.

### **High Stimulus Levels**

Intensity level can be raised up to 100 dBnHL for clicks and 500 and 1kHz tones. Stimulus intensity can be increased in small steps

### **Standalone System on the Interacoustics Eclipse Hardware Platform**

As an economic solution for the balance centre, the VEMP software can be bought as standalone, In this way VEMP can later be combined with EP15/25 module for clinical ABR or the clinical OAE modules

### **Two Channels**

Makes it possible to stimulate as well as record from both sides simultaneously

### **Waveform Reproducibility Indication**

The VEMP software has a build in reproducibility option, which can be use to check the reproducibility of the VEMP recordings.

### **Digital filter Application**

During and after testing digital High Pass and Low Pass filter can be applied. Even a test made at another time, can easily be filtered if needed.

### **Rejection System**

The build rejection system will ensure recordings with a minimum of artifacts. Artifact can stem from muscle movement or disturbance with high amplitude, these short but very powerful artifacts will be rejected by the system.

The rejection system can anytime during session easily be modified.

### **Add, Subtract Curves**

Just select the curve you would like to Add or Subtract.

The added/subtracted curve can be put back to normal again.

### **Compare Results**

The PgDn and PgUp buttons instantly switch from the present to an earlier recording made on the same patient.

### **VEMP Recording and Stimulation**

The VEMP recordings are made with a low noise amplifier. Stimuli can be presented with either TDH39 or insert earphones.

### **Patient Communication During Testing.**

The system has talk back and forward function which does it possible to communicate with the patient during test.