EG2-PCX2 Electroglottograph
Two-Channel Configuration Allowing Electrode Placement Feedback

- Allows user to know that they are using the optimum placement of the electrodes.
- You are assured that electrodes will be in the same place for consistency when comparing data from one session to another.
- Saves the user time as they will know during the recording process if improper electrode placement will result in an unacceptable recording.
Video Showing how Two-Channel Configuration Allows Electrode Placement Feedback

https://www.youtube.com/watch?v=s-UrRb9AxC8
Analog Line-Level Output for Use With Any Data Acquisition System

- User can easily connect whatever data acquisition system they prefer to use such as Dataq, National Instruments or one the Glottal Enterprises analysis systems (Phasecomp, Waveview or Aeroview)
USB Connectivity Allowing Use With Any Windows Desktop or Laptop PC

- The EGG Package comes with the necessary low noise USB cable.
- Plugs directly into the USB port, no special wiring or other equipment is necessary.
Signal Strength Indicator on Unit

- Signal Strength Indicator allows you to separate between a good signal and those that are too low for accurate waveform representation.
• There are two rechargeable batteries. Can easily switch to second battery when the first one is out.
• Each battery should run for 12 hours.
• The EGG CANNOT run when plugged in. It was designed this way to avoid any noise from the line power.
• The EGG is portable and can be taken into places where there is no power available.
Included Research-Quality Electret Microphone

- An omni-directional electret microphones is provides a high quality signal for critical applications such as inverse filtering.
1/8” Microphone Jack Supporting Both Electret and Dynamic Microphones

• This Mic jack allows you to record a signal from the electrodes AND a microphone simultaneously.
• Others do not have this option.
Included Headset Electret Microphone
Laryngeal Position Tracking Signal Output

- It is a DC voltage that changes as your electrodes move up and down on the neck.
- Seeing this signal along with your EGG signal confirms that the electrodes were staying in the desired position while the data was being recorded.
Verified 40dB signal-to-noise Ratio for Electroglottograph Signal

• Individually tested for a guaranteed signal to noise ratio of at least 40db.
• This limits the amount of noise providing a better signal quality.
Included Larynx-Simulator (LS-1) for Verification and Calibration

- Allows the user to easily set the recording device sensitivity.
- The LS –1 plugs into the EGG instead of the Electrodes and gives the unit a consistent test signal to calibrate with.
- This significantly speeds up the set up process.
LS-1B Larynx Simulator

Plugs in instead of electrodes to generate a test signal
Independent, Adjustable Gain for Both Microphone and Electroglottograph Signal

- Allows the user to adjust the signal strength for the EGG Electrode signal and the microphone signal independently.
Our PhaseComp software is included as part of the EGG Package.

The high pass filtering that is needed to record the EGG signal introduces a waveform distortion. This software attenuates or reduces this distortion.

**Makes the EGG signal a much more accurate representation of the vocal fold contact area.**

PhaseComp also reduces the “low frequency noise” generated by the many different vibrations that are recorded along with the Vocal Fold vibration, (your skin and tongue for example)

No other EGG offers this feature
System Components

A - 2-Channel Electroglottograph w/ microphone preamplifier
G - 35mm dual channel electrodes
C - Laboratory quality Behringer ECM-8000 omnidirectional microphone
F - Glottal Enterprises M80 omnidirectional headset microphone
B - LS-1 Larynx Simulator with Manual
E - Power supply
K - XLR microphone cable

D - USB cord
H - Set of 2 velcro neck straps
J - 3.5mm male-to-male audio cable
I - Tube of Electrode gel
VV Signals EGG signal display software
EG2-PCX2 Manual
Glottal Enterprises PhaseComp software