Articulograph AG501

High Precision Electromagnetic Articulograph (EMA)

Recording articulatory orofacial movements in real time with a sampling rate of up to 1250 Hz and up to 24 channels

- Three coordinates (x; y; z) and two directional angles (phi; theta)
- High temporal and spatial resolution, therefore very suitable for recording small and fast speech movements
- Carstens Medizinelektronik GmbH has been building Articulograph systems for over 25 years in support of speech research
- Articulography user community supported by dedicated WEB page (AGwiki) provided by Carstens for all users

Carstens Medizinelektronik GmbH
Nelkenweg 8
37120 Bovenden
Germany
Technical Data

Position sampling frequency with an exact timing rate of 250 Hz or 1250 Hz per second for each channel

3 D Real time display
Head movement correction
Measurement field at least 300 mm sphere
Synchronized sound recording
Dynamic positional accuracy 0.3 mm RMS
Complete system including control computer

Sensor HQ220-L120-B

The cable is made by high flexible material, which has anti microbial and anti fungi properties

<table>
<thead>
<tr>
<th>Price of 1 package of 5 sensors</th>
<th>1-2 packages</th>
<th>3-5 packages</th>
<th>6 and more packages</th>
</tr>
</thead>
<tbody>
<tr>
<td>HQ220-L120-B</td>
<td>140 €</td>
<td>132 €</td>
<td>126 €</td>
</tr>
</tbody>
</table>
Price information

3-dimensional Articulograph AG501 with 8 channels, 49.000 €
consisting of

- Transmitter-holder
- Electronic (Transmitter, Receiver, Power Supply, Control-Unit)
- One Computer (Dell Notebook Linux) to control the system
- Calibration unit
- Synchronisation box:
  - With this box you are able to synchronise your acoustic and other additional data streams
- External sound card and microphone for synchronized sound recording.
- Program for head movement correction
- The results of the positions will be transported in ASCII-Format.
  - (X, Y, Z as well as two angles)
- Real time display while recording
- 8 sensors HQ220-L120-B
- Sampling rate 250Hz / 1250Hz

16 channels version 57.000 €
24 channels version 65.000 €

Conditions:
Delivery condition CFR: Costs of freight and insurance are paid by Carstens Medizinelektronik.
The buyer is responsible for the all other taxes.
Optional installation and introduction, please ask for the cost.