



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

www.articulograph.de

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

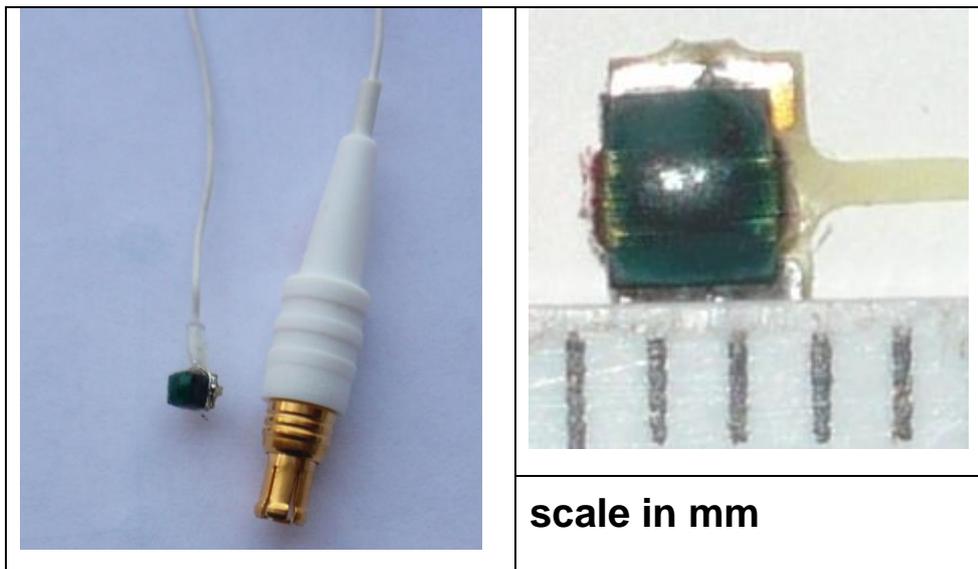
Synchronized sound recording

Dynamic positional accuracy 0.3 mm RMS -

Complete system including control computer



Sensor HQ220-L120-B



scale in mm

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

Price of 1 package of 5 sensors by ordering	1-2 packages	3-5 packages	6 and more packages
HQ220-L120-B	140 €	132 €	126 €

Price information

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

- 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.