



EASYCAP

EEG Recording Caps and Related Products

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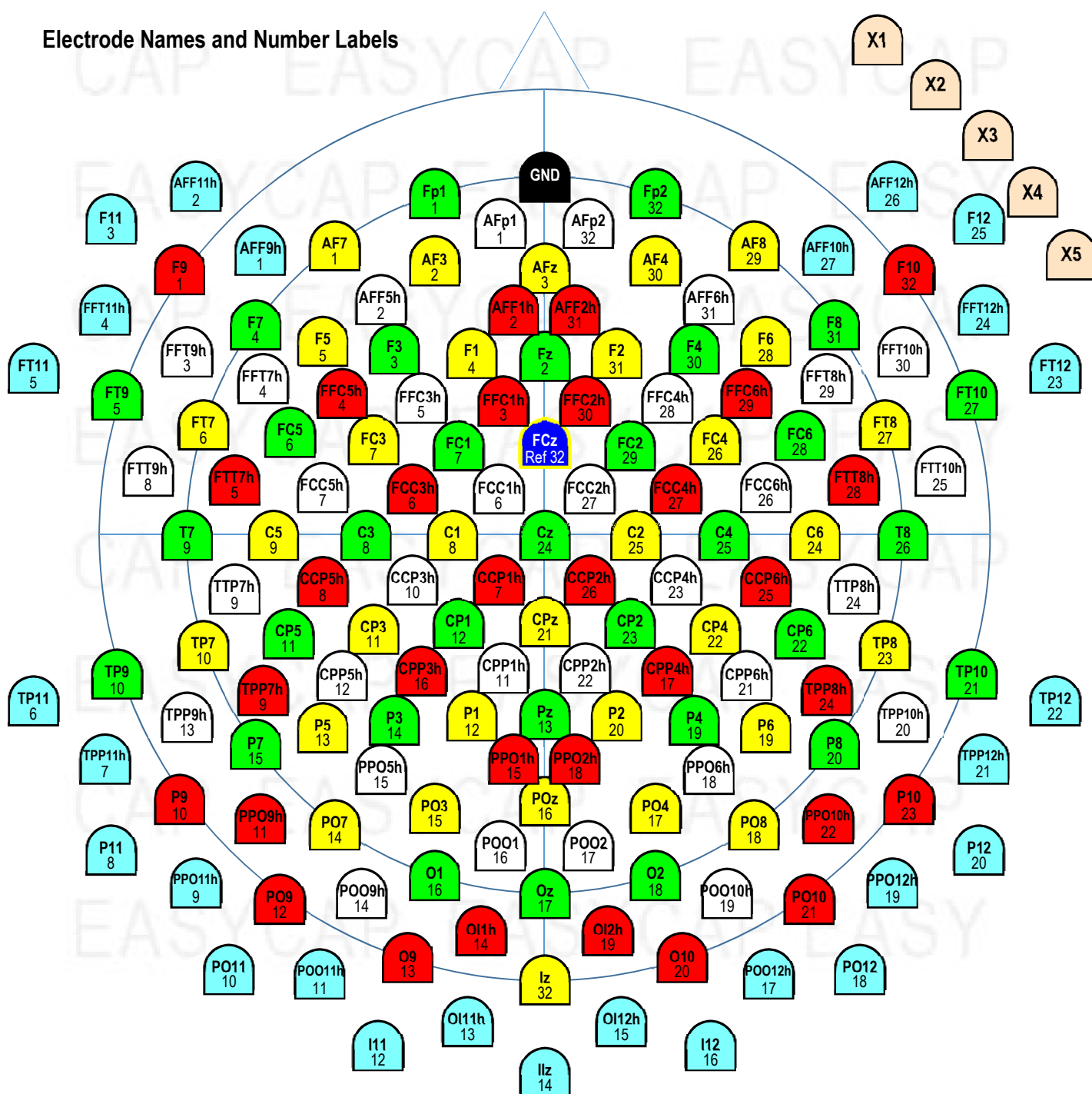
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Standard 160Ch actiCAP Electrode Cap

Usable With and Without Dedicated Reference-Electrode

- Green Holders: Label 1-32, Hardware Channel 1 – 32
- Red Holders: Label 1-32, Hardware Channel 65 - 96
- Blue Holders: Label 1 - 32, Hardware Channel 129 - 155
- Blue holder: For Ref or Ch64
- Yellow Holders: Label 1-32, Hardware Channel 33 - 64
- White Holders: Label 1-32, Hardware Channel 97 - 128
- Black holder: Label & hard-wired Gnd

Electrode Names and Number Labels



Details

Ordering Information

For ordering please give **Article Number, Cap Cut, and Size**

(Example: CMA-160, Caucasian, 58):

- Article Number: **CMA-160**
- Cap Cut: **Caucasian** or **Asian**
- Size (given in cm head circumference):
Adult caps: **52, 54, 56, 58, 60, 62, 64** (average male: 58, average female: 56)

The catalogue-number comprises the cap as described, serial number, and this document; all packed in a labelled cardboard box. For further information about accessories or consumables please visit our website or contact our local distributor.

Cap

White Infracerebral Cap with integrated chin belt, made from High Precision Fabric

Options: *Caucasian* or *Asian*, Size

This cap type is fixed by the integrated chin belt
no chest belt is necessary.

If the chin belt presses uncomfortably against
The larynx, it can be held frontal by the
additional frontal chin belt.



The holders are mounted according to the figure. The positions are chosen from 10%-System and from 5%-System¹. Positions TP9/TP10 approximately meet left and right mastoids.

Each cap comes with 5 loose holders for use with double-sided adhesive rings to place electrodes on bare skin. The grip of the washer is better, when both, skin and holder, are degreased with alcohol prior to application.

¹ Electrode Nomenclature according to:

Oostenveld, R. & Praamstra, P. The five percent electrode system for high-resolution EEG and ERP measurements. Clinical Neurophysiology 2001; 112: 713-719

Electrode Assignment

The actiCAP electrodes come in bundles of 32, each labelled 1-32.

Plug the electrodes 1-32 of the first bundle into the green holders, which are also labelled 1-32. These are the amplifier channels 1-32.

Plug the second bundle into the yellow holders, which are channels 33-64.

Red holders = Ch 65-96

White holders Ch = 97-128

Light blue holders Ch 129-155

If your amplifier requires a dedicated Ref-Electrode, plug Ref into the dark blue holder at FCz and plug Ch 64 (yellow 32) into Iz.

If your amplifier uses NO Ref-Electrode plug Ch 64 (yellow 32) into the dark blue holder at FCz. Use one of the spare electrodes, e.g. Ch 156, to plug it into Iz and adjust the workspace accordingly. (If you do this regularly, we recommend to replace the yellow 32 at Iz by the light-blue 28.)

Supplementary Files

Each cap comes with a memory stick containing 2 bvef-files, one for use with REF, one for NO_REF. Use these bvef-files to import the electrode positions of this cap into your BrainVision Workspace.

Additionally this stick contains a bvef-readme, a guide map to illustrate the sequence of electrode numbers, and this document.

Service

In case of any further questions

- Regarding consumables (e.g. electrolyte gel, syringes) and their usage, regarding cap, holders, layout, belts, please contact our local distributor or info@easycap.de. Please have the serial number of your cap at hand (syntax CMAxxxxx, located on the backside label of the cap).
- Regarding actiCAP electrodes and associated electronics and software, please contact the local Brain Products Distributor or support@brainproducts.com.