Comparison between **eego**™mylab and **asa**lab™

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Enschede, February 2015

022015_v4np

For internal use only

ant neuro

inspiring technology

System/ Parameter	ANT Neuro eego™ mylab	ANT Neuro asalab
Number of EEG channels	32, 64, 128, 256	32, 64, 128, 256
Electrodes	Wet	Wet
Measuring method	unipolar	CAR
Resolution [bit]	24	24
Max Sampling Rate [Hz]	**16,384**	**10,000**
Bandwidth	True DC input	Full range DC coupled signals (0 - 0.2 sample freq.)
Referential input signal range	150 – 1000 mVPP (programmable gain)	±150 mV (EEG and BIP) ±3000 mV (AUX)
Input impedance	>1 GΩ	>1 GΩ
Input Noise	<1.0 µVrms (lowest sampling rate and signal range)	< 1.0 µVrms (@ lowest sampling rate)
CMRR	> 100dB	> 90dB
TTL Trigger Input [bit]	8	8
Additional sensors available	EMG, ECG, GSR, respiration, accelerometer, photo diode and temperature sensor optional.	EMG, ECG, GSR, respiration, photo diode and temperature sensor optional
Number of AUX channels	2 bipolar, 4 auxiliary. Optional upgrade to 24 bipolar.	4 bipolar 4 auxiliary
Medical CE	Yes class IIa	Yes class IIa
Operation time [hours]	Up to 5, optional external battery for longer recording times (available soon)	(runs on mains power)
Weight	500 g (32-64ch) – 2000 g (256ch) With integrated battery	1500 g (32ch) – 6000 g (256ch)
Dimensions (w x d x h)	160x205x22 mm per amplifier	210 x 207 x 92 mm
TMS compatible	Yes	Yes
MEG compatibility	Planned	Yes
MRI compatibility	Yes, with fMRI kit	Yes, with fMRI kit

Advantages eego mylab compared to asalab:

- High sampling rate 16 kHz across all referential channels for all configurations: 32 – 64 – 128 – 256 ch
- Possibility to use cascaded 128 and 256 configurations as individual (mobile) 64 systems (option)
- All configurations come with 24 extra bipolar channel input
- Compact and light-weight by design