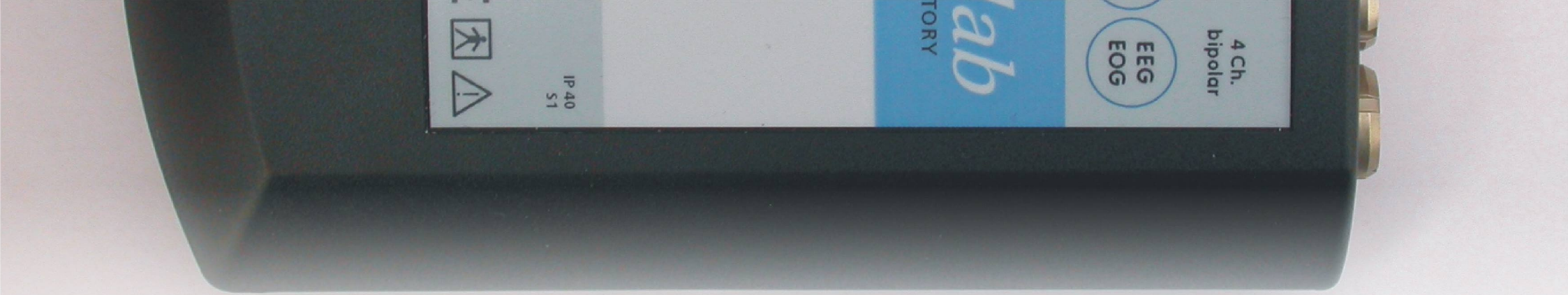


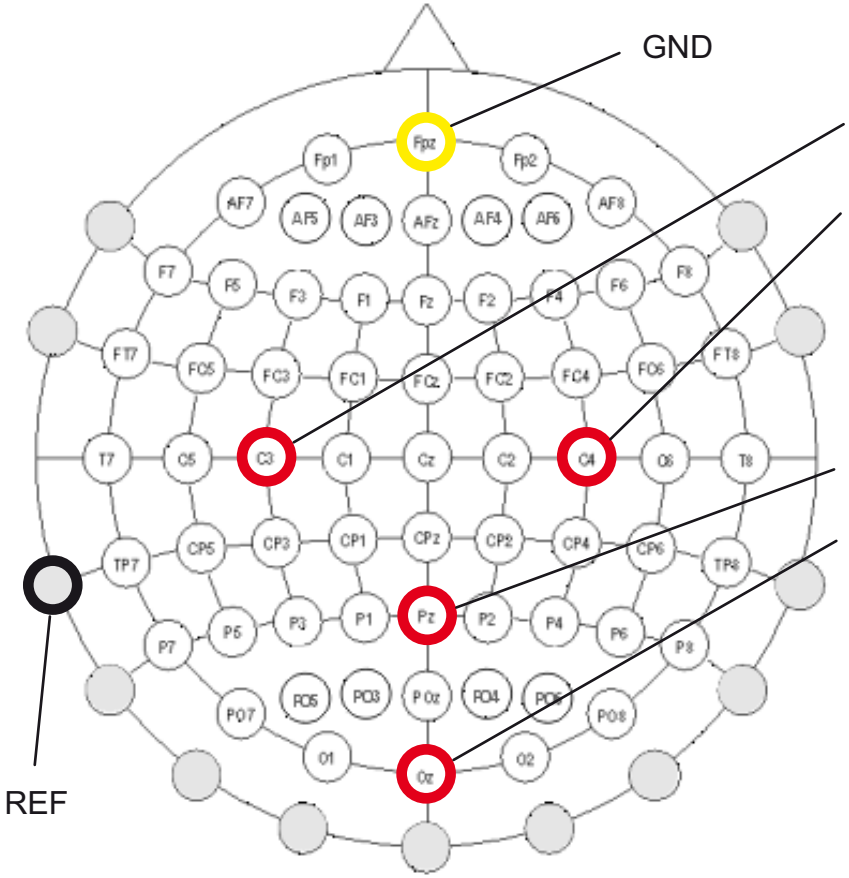
Basics on Biosignal Measurement with g.MOBIlab+ V2.14.00

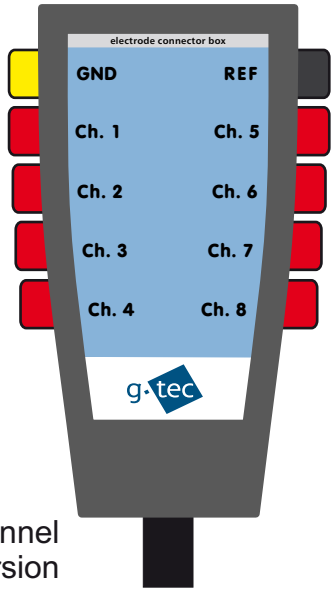
Unipolar / Bipolar Biosignal Derivations

Connecting External Sensors to g.MOBIlab

g.tec
GUGER TECHNOLOGIES

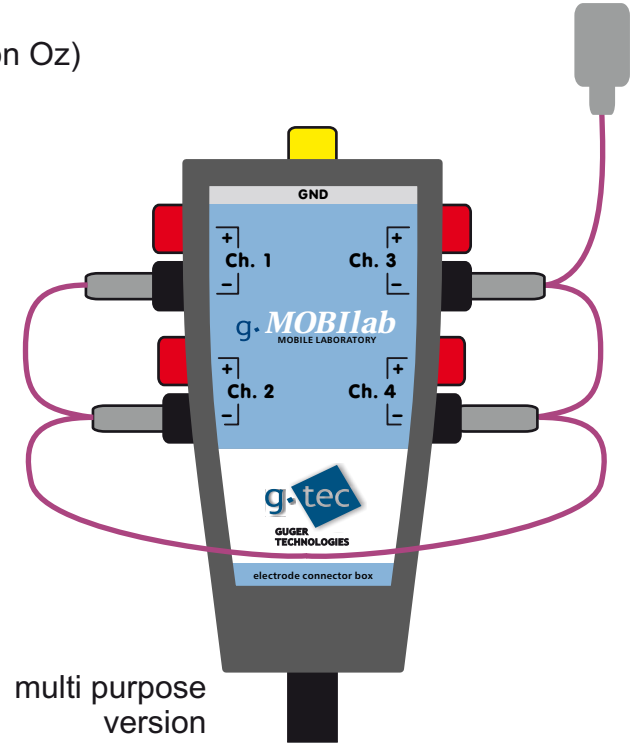
Unipolar EEG recording with g.MOBIlab





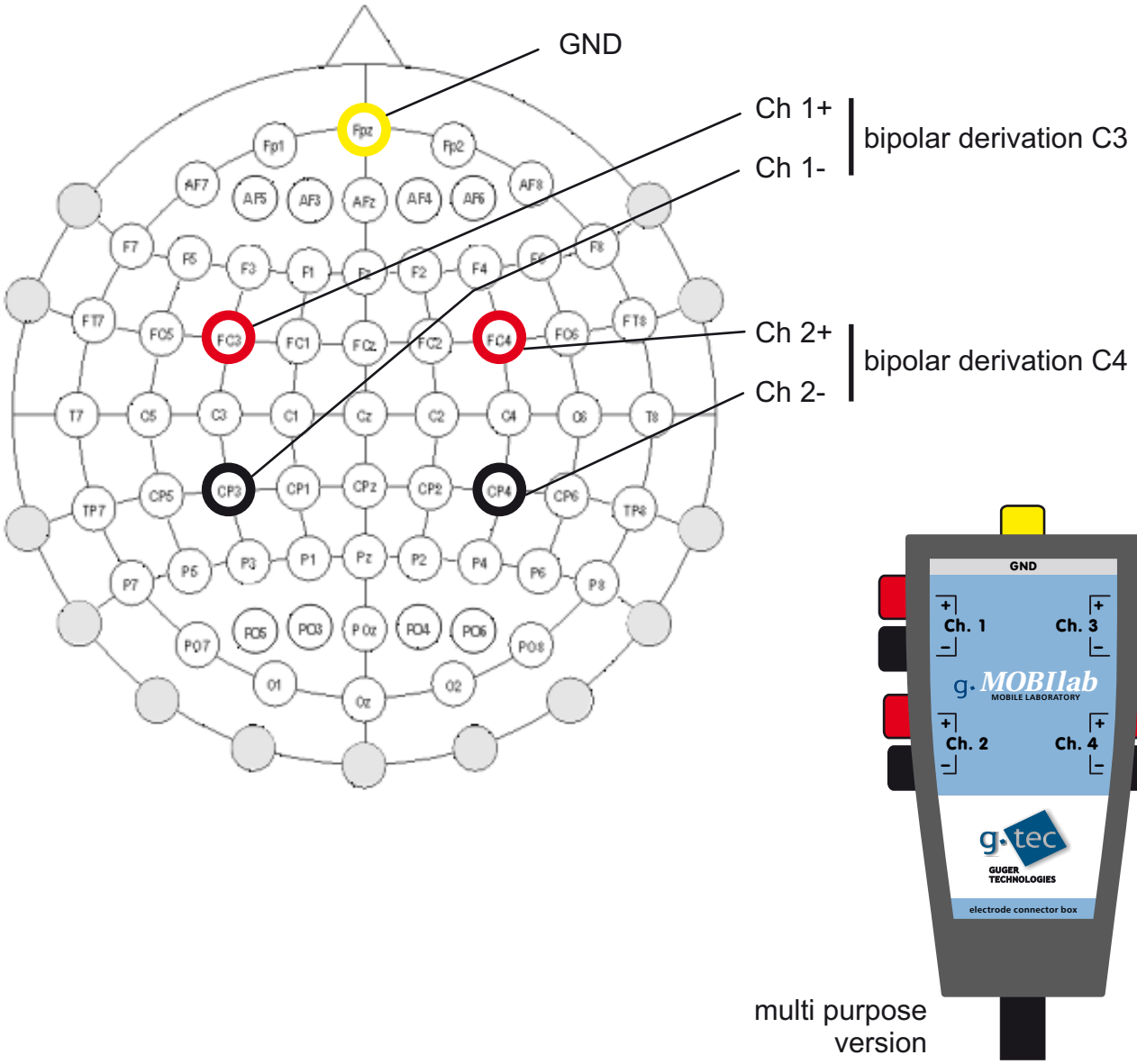
8-channel
EEG version

REF
(common reference)



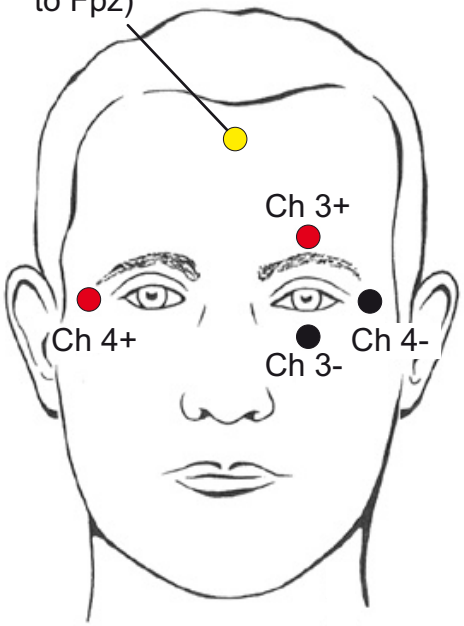
multi purpose
version

Bipolar EEG/EOG recording with g.MOBIlab



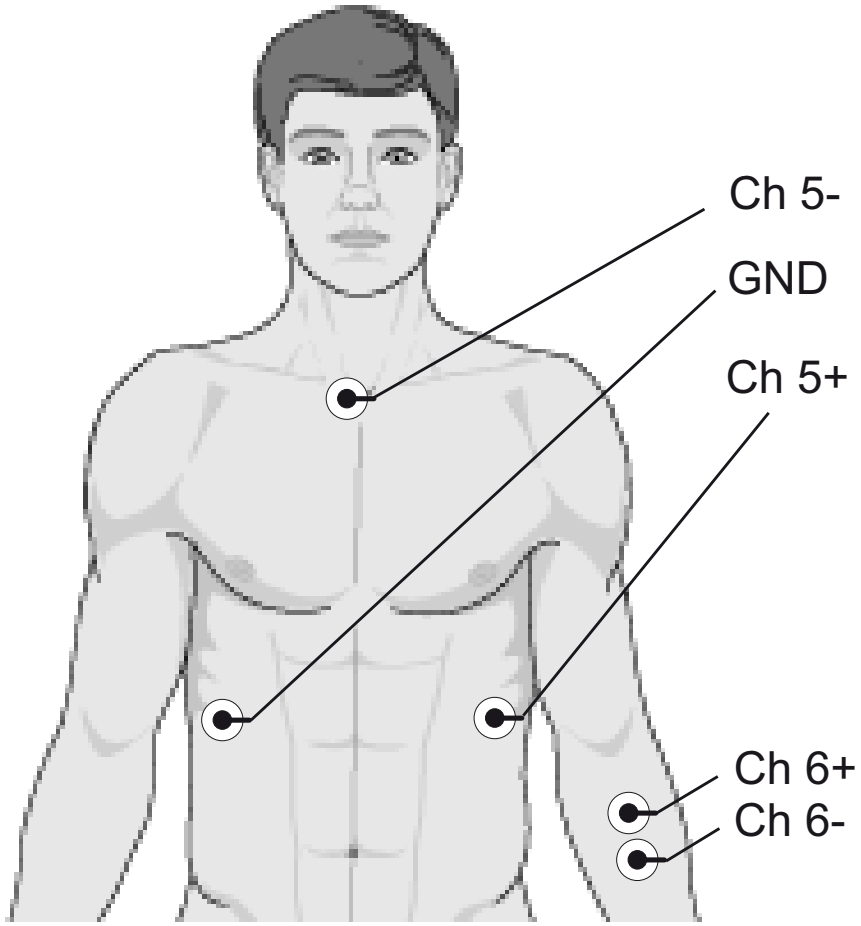
multi purpose version

GND
(only required
if not connected
to Fpz)

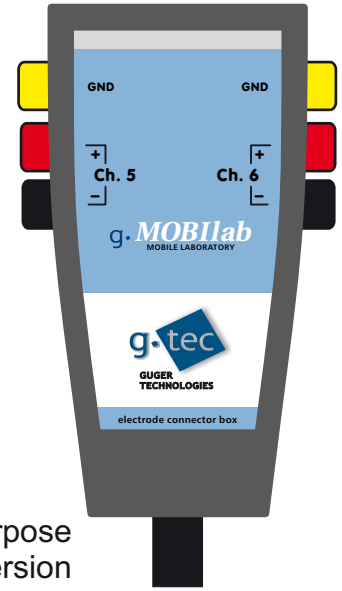


In this example:
Ch 3: VEOG
Ch 4: HEOG

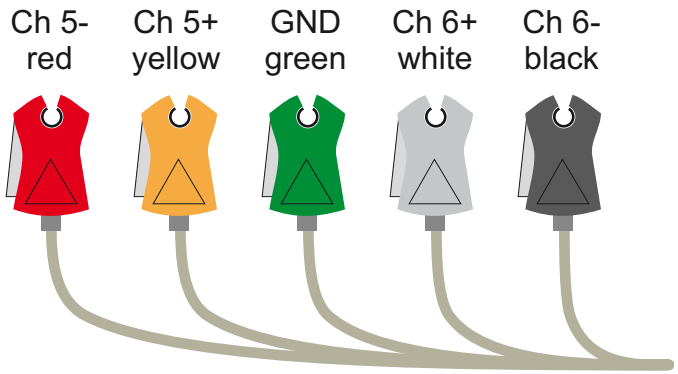
Bipolar ECG/EMG recording with g.MOBIlab



example: Ch 5: ECG, Ch 6: EMG



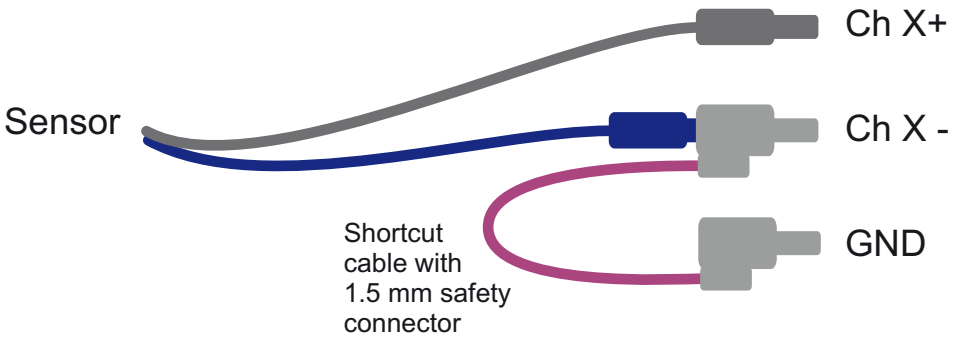
multi purpose version



5-lead ECG/EMG patient cable

Connecting external sensors to g.MOBIlab

Sensors with a 2-lead sensor cable
(e.g. snoring microphone, respiration sensor, ...)



Sensor type:	Recommended input channel:
g.PULSEsensor (low output)	Ch 3 or Ch 4 (multi purpose version)
g.PULSEsensor (high output)	Ain 1 (Ch7) or Ain 2 (Ch8) (multi purpose version)
g.RESPIRATIONsensor	Ch 3 or Ch 4 (multi purpose version)
g.SNORINGsensor	Ch 1, 2, 5 or 6 (multi purpose version)
g.GSRsensor	Ain 1 (Ch7) or Ain 2 (Ch8) (multi purpose version)
g.TEMPsensor	Ain 1 (Ch7) or Ain 2 (Ch8) (multi purpose version)

Sensors with a 3-lead sensor cable
(e.g. g.PULSEsensor)

Sensors with DC-high level output
(e.g. g.GSRsensor, g.TEMPsensor)

Ain 1, Ain 2 (Ch 7, Ch 8, multi purpose version)

Anti-Static Kit

Avoid or reduce artifacts in biosignal recordings resulting from electro-static charges in a sub-optimal lab environment and protect sensible electronics.