

g·NAUTILUS MULTI-PURPOSE

WIRELESS BIOSIGNAL ACQUISITION

PRODUCT HIGHLIGHTS

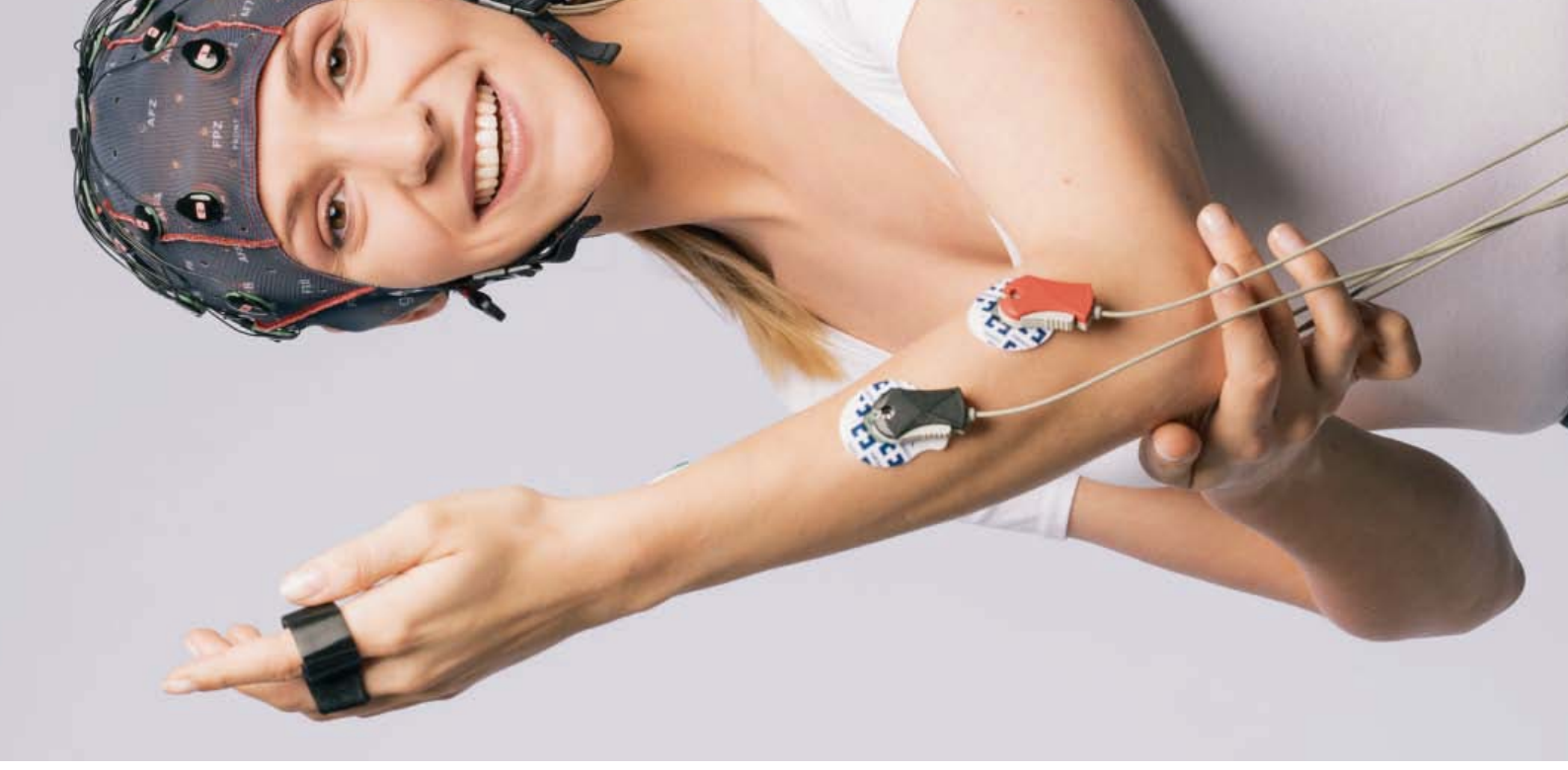
- record EEG, ECG, EOG, EMG with one wireless device
- combine EXG measurements with external sensors

TECHNICAL SPECIFICATIONS

Weight	< 140 g without electrode grid (64 channels) < 110 g without electrode grid (8, 16, 32 channels)
Size	78 (L) x 60 (W) x 36 (H) mm (64 channels) 78 (L) x 60 (W) x 26 (H) mm (8, 16, 32 channels)
Color	BLACK
Sensitivity	± 2.25 V, ± 1.125 V, ± 750 mV, ± 562.5 mV, ± 375 mV, ± 187.5 mV (software selectable)
Interface	Wireless 2.4 GHz ISM band
Digital inputs	8 digital trigger inputs at Base Station
Supply	Built-in lithium-ion battery, runtime > 6 h with 64 channels (> 10 h with 8/16/32 channels), inductive charging according to the Qi standard of the Wireless Power Consortium
Amplifier type	Real DC coupled
64 x ADC	24 Bit (1,024 MHz internal sampling per channel)
Noise level	< 0.6 μ V RMS between 1 and 30 Hz (at highest input sensitivity)
Input channels	Up to 64 mono-polar / 32 bi-polar channels with GND and REF (software selectable)
Input impedance	DC > 100 M Ω m
Safety class	II

The g.Nautilus multi-purpose version allows you to acquire both EEG and other biosignals along with data recorded simultaneously from 4 detachable channels, which can connect to other sensors such as ECG/EOG/EMG electrodes or sensors to measure GSR, respiration, and many other signals. This version is available with dry or gel-based electrodes, both of which allow flexible positioning.

- g.Nautilus Multi-Purpose 8/16/32/64, with g.SAHARA active dry electrode technology with 4 detachable channels
- g.Nautilus Multi-Purpose 8/16/32/64, with g.SCARABEO electrode system with 4 detachable channels



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