

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) × 60 (W) × 36 (H) mm (64 channels) 78 (L) × 60 (W) × 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 × ADC	24 Bit (1,024 MHz internal sampling per channel)
Noise level	< 0.6 µV 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 MOhm
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

