

● Burghart 8-Channel EEG-System OL026

Precision. Reliability. Efficiency.

Optimized for olfactory and gustatory evoked potential research.



Your Advantage in Chemosensory Research

- Specially engineered for olfactory and gustatory evoked potentials
- High-resolution 24 nV signal precision
- Ultra-low input noise: 0.15 μ V RMS (0.1–35 Hz)
- Fast setup and intuitive software workflow
- Plain text export for seamless integration into analysis tools
- PDF and print-ready reporting
- Compatible with Burghart olfactometers and gustometers

Performance Snapshot

Channels	8
Effective Sampling Rate	1 kHz
Resolution	24 nV
Input Range	± 200 mV
Recording Duration	2 s (adjustable)
Maximum Recordings	200

Technical Excellence

Signal Processing & Noise Suppression

Delta-Sigma Modulator	2.048 MHz
Effective Aliasing Suppression @7.2 kHz	-133 dB
Noise Shaping <10 kHz	-130 dB
Digital Filters	High-pass 0.1 Hz / Low-pass 35 Hz (FIR)

Electrical & Interface

Power Supply	USB
Power Consumption	20 VA
Protection Class	IP20
USB Interface	USB 1.1 (opto-isolated)
Trigger Interface	25-pin D-SUB (opto-isolated)

System Requirements

- PC or laptop with USB port
- Minimum 4 GB RAM (8 GB recommended)
- Dual core minimum (4 cores recommended)
- Windows 10™ (Windows 7 without support)
- Minimum resolution 1280 × 1024

Regulatory Status

Classified as a laboratory device under the Machinery Directive. Not approved as a medical device.

Designed for research environments requiring reproducible, high-quality EEG acquisition with minimal setup complexity.



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