BRAIN IMPACT
NEUROSCIENCE

OLFACTOMETER

We use a high-precision, 9-channel portable olfactometer specifically designed for use in MRI environments

fMRI-compatible

Delivers controlled odor pulses directly into the scanner via medical-grade tubing, without introducing movement or noise artifacts.

Flexible and modular

Easily connectable to standard air systems, supporting a wide range of odorant types and delivery protocols.

Fully integrated software

Our custom PsychoPy interface allows synchronized stimulus delivery with high temporal accuracy, adapted to complex.

Portable setup

The system is compact and transportable, enabling deployment across different MRI sites.

This setup ensures high experimental control and reproducibility, key to extracting scientifically insights from olfactory fMRI data.

APPLICATIONS

Odor perception

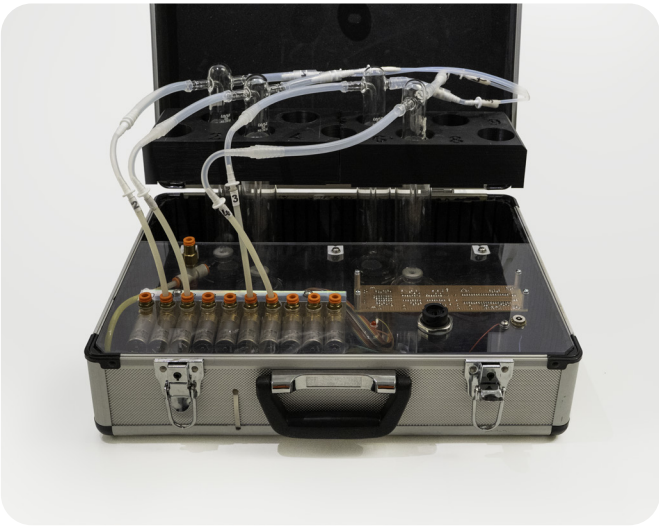
Investigation of behavioral and neural mechanisms underlying olfactory processing.

fMRI protocols

Controlled delivery of odors to assess brain responses to olfactory stimuli with high temporal precision.

Clinical research

Suitable for studies on olfactory dysfunctions (anosmia, hyposmia) and the role of smell in emotion, memory, and food-related behavior.



TECHNICAL SPECIFICATIONS

Number of channels:

8 odor + 1 rinse

Flow precision:

± 0.05 mL

Tubing material:

MRI-compatible, medical certified

Control interface:

USB / PsychoPy compatible

Dimensions:

45 x 32 x 17 cm (W × D × H)

Weight:

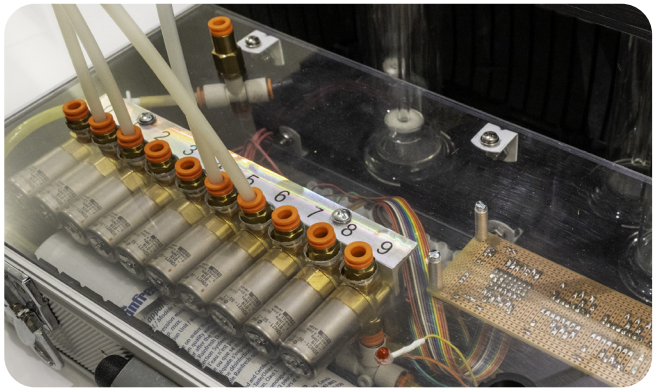
3 kg

Power supply:

Universal input (110–220 V)
Compliant with EU and US standards

Compatibility:

fMRI scanners and behavioral setups



WHAT'S INCLUDED?

- Control unit
- 8 refillable glass flasks for odorants + 1 rinse flask
- MRI-compatible tubing set
- Power supply (110–220 V, EU/US compatible)
- PsychoPy interface (software)
- User manual (PDF)

CONTACT US

For more information, to schedule a demo or request a quote:

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