



# GUSTOMETER

## Automated delivery of 9 taste solutions

Up to 9 liquids are delivered via syringes, controlled by micro-pumps. The system ensures accurate volume delivery and precise timing, ideal for fine-grained gustatory stimulation designs.

## Dedicated rinsing channel

A separate channel delivers water or a neutral solution between trials to ensure reliable mouth cleansing and minimize cross-stimulation effects.

## Controlled liquid temperature (*cooling & heating*)

Each channel is independently temperature-regulated, allowing the delivery of warm or cold stimuli.

## fMRI-compatible design

Compact and built with non-ferromagnetic materials, the system is optimized for MRI environments with minimal interference.

## Advanced control system

Intuitive interface with full control over stimulation sequences, timing, volume and temperature; fully compatible with PsychoPy for seamless integration into experimental workflows.

# APPLICATIONS



## Flavor perception

Study of behavioral mechanisms involved in taste and flavor integration.



## fMRI protocols

Controlled experiments to assess brain responses to gustatory stimuli.



## Clinical research

Support for studies on eating disorders and taste dysfunctions.



# TECHNICAL SPECIFICATIONS

### Number of channels:

9 taste + 1 rinse

### Syringe volume:

60 mL per channel

### Flow precision:

± 0.05 mL

### Temperature range:

4–45 °C

### Tube material:

MRI-compatible, food-grade certified

### Control interface:

USB / PsychoPy

### Dimensions:

W × D × H: 67.5 × 75.5 × 32.5 (+ 26) cm

### Weight:

15.2 kg

### Power supply:

Universal input (110-220 V)  
Compatible with EU and US standards

### Hygienic design:

Single-use intraoral tubing  
for each participant



# WHAT'S INCLUDED?

- Control unit 10 syringes (60 mL)
- Tubing set
- Power supply
- Advanced interface
- User manual (PDF)

# CONTACT US

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

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