

OG001 Multistimulator



OG001 with all available modules (Type 1, Taste, Type 2, from left to the right) – other combinations possible

The device has no medical approval according 93/42/ECC

The small device OG001 was created for simple fMRI experiments. It is focused on simplicity and high flexibility. The OG001 is built in modular shape and can be equipped individually with Odorant Modules Type 1, Type 2, or Taste Modules, by the customer. The configuration can also easily be changed by the operator. In case 3 modules are not enough, several OG001 devices can be driven simultaneously.

Base device OG001

The base device offers space for 3 modules listed below.

Odorant module Type 1

This simple module offers a pulse of odour-saturated air with a defined length. A PTFE tube with a length up to 15 m guides the pulse to the test person's nose. This unit can be used with liquid or solid odorants.

Odorant module Type 2

This more effective module also provides the capability to dilute the odorant with odourless air. The amounts of odour and dilution air are adjustable from 0.05-5 lpm. The odorant flow and the dilution flow are mixed at the module and then directed via a PTFE tube to the test person's nose. This unit can be used with liquid or solid odorants.

Taste module

The taste module is able to provide defined amounts of liquids. This amount is led directly to the test person's tongue via a tube. Any liquids with a viscosity similar to water can be used (e.g. thin oils or emulsions).