


**GERSTEL**


## Olfactory Detector Port

# ODP 3

## Specifications

### ODP 3

#### Uses

The GERSTEL Olfactory Detector Port ODP 3 is a GC accessory that is used for olfactory detection and determination of odor-active compounds parallel to GC analysis.

#### System configuration

- compatible with most standard GCs
- for parallel operation with most standard detectors, including MSD
- for parallel operation with the GERSTEL Cryo Trap System CTS 1 or the GERSTEL Preparative Fraction Collector PFC

#### Humidifier

- humidified gas is added to the column effluent inside a heated mixing chamber to avoid condensation and provide best possible mixing
- the supply of humidified make-up gas can be switched on or off by the user during the run as needed

#### Transfer line

- transfer temperature max. 350 °C
- length 60 cm
- flexible, bending radius min. 20 cm

#### Mixing chamber temperature

- max. 250 °C

#### Temperature control

- controlled from GC (GC 6890, GC 7890)
- or
- using an AUX Controller 163

#### Power consumption

- transfer heater max. 66 Watt
- mixing chamber heater max. 40 Watt

#### Operating conditions

- 15 ... 35 °C
- relative humidity max. 50-60%, non-condensing
- max. 4615 m above sea level

#### Storage conditions

- -20 ... 50 °C
- relative humidity max. 50-60%, non-condensing
- max. 4615 m above sea level

### ODP Pneumatics box

#### Gas supply

- make up gas 4 bar
- humidifier gas 4 bar

#### Gas flow

- adjustable via needle valves
- make up gas default settings  
65 ... 70 mL/min (He)  
48 ... 53 mL/min (N<sub>2</sub>)
- humidifier gas default settings  
10 ... 15 mL/min (He)  
7 ... 12 mL/min (N<sub>2</sub>)



## Olfactory Detector Port ODP 3

### Dimensions (W × H × T)

- 160 × 86 × 168 mm

### Weight

- 1.05 kg

## AUX Controller 163

### Operating voltage

- 230 VAC, 50/60 Hz
- or
- 100-115 VAC, 50/60 Hz

### Power consumption

- max. 100 Watt

### Fuse

- T 0.8 A, 230 V
- or
- T 1.6 A, 100-115 V

### Dimensions (W × H × T)

- 196 × 108 × 193 mm

### Weight

- 4.85 kg

## ODP Recorder Software

### Uses

Software used for voice recording and voice recognition. Comments can be added to the chromatogram during the GC run and peaks are automatically annotated with the recorded comments.

### System requirements

- PC with Microsoft Windows® 2000 or Windows® XP operating system
- Agilent® Technologies GC ChemStation Rev. A.08.0x or A.09.0x or A.10.0x or B.01.0x
- or
- Agilent® Technologies MSD ChemStation G1701DA version (D.00.00.38, D.00.01.27, D.01.0x, D.02.00, D.03.00)
- Voice recognition software Dragon NaturallySpeaking Preferred, version 7 and higher
- 2 free USB ports
- sound card
- 512 MB RAM

## Auxiliary Modules

- **OID**  
The Olfactory Intensity Device (OID) enables the olfactory analyst to record a value representing the odor intensity that is experienced when an odor active compound elutes from the GC column during a run. The intensity is recorded and subsequently added to the chromatogram as an „Olfactogram“. Whenever an odor is registered, the analyst generates a signal.



Two OID versions are available: a continuously variable joy-stick that can provide an infinite number of intensities or an intensity pad that enables the analyst to enter a signal on a scale from one to four. The registered intensity is reflected in the size of the “Peak” in the olfactogram.

## Other ODP models

- ODP 2  
Olfactory Detector Port without heated mixing chamber