

# PHASER

Gas Chromatography - Olfactometry (GC-O or Sniffer)



**No cold spot gives the possibility to sniff the high boiling compounds.**

**Maximum 300°C on the transfer line.**

**Protects your nose from drying by adding moisture air to sniffing port.**

**Easy to connect the capillary column to the splitter.**

**Sitting down while sniffing.**

**Compact and easy to install on any GC instrument.**

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- Commonly used in food, flavor and fragrances companies. These machines are used mostly for consumer evaluation.
- GC-Olfactometry adds a dimension to the technique. By performing a separation prior to the olfactometry, the compounds responsible for an odor can be smelled one by one, and the odor decomposed into multiple odors. The instrument used for the olfactometry part is usually called a sniffer port or sniffer.
- Humid air added before heated interface.  
Addition of humid air is crucial to the comfort. By preventing nasal dryness, the user can maintain equal sensitivity through the run. By adding the humid air before the transfer line we prevent water condensation on the nose cone.

## Specifications

### Controller

Dimensions	96(W)×300(H)×230(D) [mm]
Weight	Approx. 7 [kg]
Power	AC100V ~ 240V 50/60Hz / 300VA
Temperature range	(Ambiant + 20 ) ~ 300°C
AUX.GAS	He or N2 ( Adjusting with mass flow controller valve )
Flow control	Mass flow controller valve
	Flow range : 10 [mL/min]
	Maximum operating pressure : 1.7 [MPa]
Additional AIR	Clean air ( Adjusting with speed controller )
Speed control	Maximum operating pressure : 1.0 [MPa]
	Minimum operating pressure : 0.1 [MPa]
	Flow range : 100 [L/min]
Type of gases ports	AUX.GAS IN : 1/8 inch tube
	AUX.GAS OUT : 1/16 inch tube
	AIR IN : 1/8 inch tube
	AIR OUT : 1/8 inch tube (With one touch connection)

### Transfer line

Dimensions	ø35×600(L) [mm]
	Part of inserting to GC : ø15×100(L) [mm]
	Protection tube: 2.0 O.D.×1.0 I.D. [mm] SUS316
Maximum temperature	300°C

a total analytical solution

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