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GSP-300

Gas sampling pump

TECHNICAL FEATURES

- Large LCD display for the reading and the pump setup
- Flow volume of 50-250mL/min can be set for the inserted tube
- Automatic correction of the flow (and the volume) at 20°C
- Automatic start enables sampling to begin after a preset time
- Automatic stop at preset time/volume
- Compact and lightweight ; 10 hours continuous operation on 2 AA batteries
- Compatible with activated carbon and other solid-collecting detector tubes
- Dimensions : 80 x 40 x 140 mm
- Weight : 300 grammes avec pilles AA

OPTIONAL ACCESSORIES

Protective cover for detector tube [GSP300-14]
Enables the detector tube to be securely set up for measuring and helps to avoir possible injury to the user as well as damage to the detector tube itself. Available upon request.

Carrying case [GSP300-15]
Comes with convenient carrying belt.

INTRODUCTION

The **GSP-300** automatic gas sampling pump is a very accurate latest generation sampling pump specially designed for continuous measures with colorimetric detector tubes.

Particularly adapted for the indoor air quality control (benzene, formaldehyde, toluene, xylene ...) this very accurate system which requires no calibration or special training is an ideal and aconomic solution for the monitoring and the measure of the short term exposure limits and the time-weighted average limits of the gases in the atmosphere.

The LCD display can show real time flow rate, integrated flow rate and elapsed sampling time.

The automatic stop feature can be set to finish at either a predetermined amount of time or after a set amount of volume.

The enclosure is both splash and dustproof, and the pump can operate for up to 10 hours from 2 AA alkaline batteries.

Also, for a greater accuracy of the measure, the automatic sampling pump measures and corrects at 20°C (68°F) the temperature of the flow rate through the tube.

Combined with the **GSP-300** automatic sampling pump, the continuous detection tubes provide a simple and easy analysis of the indoor air quality for numerous toxic gases.

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Gas detected

GAS or VAPOUR	CHEMICAL FORMULA	MEASURING RANGE	CODIFICATION
Acetone	CH3COCH3	25-800 ppm	GSP151TP
Benzene	C6H6	250-3000 µg/m³	GSP121P
Chlorine	Cl2	0.05-0.6 ppm	GSP8TP
Dichlorobenzene	C6H4Cl2	100-3000 µg/m³	GSP127P
Ethyl benzene	C6H5C2H5	110-2750 µg/m³	GSP122P
Ethylene oxide	C2H4O	1-50 ppm 0.1-5 ppm 0.02-1.44 ppm	GSP163TPM GSP163TP GSP91P
Formaldehyde	HCHO	0.01-0.80 ppm 0.01-1.75 ppm	GSP91PL GSP91TP
Hexane	CH3(CH2)4CH3	2-80 ppm	GSP102TP
Hydrogen cyanide	HCN	0.3-9.0 ppm	GSP12TP
Hydrogen fluoride	HF	0.05-9.0 ppm	GSP17TP
Hydrogen sulphide	H2S	0.5-16.0 ppm	GSP4TP
Isopropyl alcohol	CH3CH(OH)CH3	20-400 ppm	GSP113TP
Methanol	CH3OH	20-300 ppm	GSP111TP
Methyl ethyl ketone	CH3COC2H5	20-300 ppm	GSP152TP
Nitrogen dioxide	NO2	0.02-0.2 ppm	GSP9TP
Tetrachloroethylene	Cl2C :CCl2	20-720 µg/m³ 5-80 ppm	GSP133P GSP133TP
Toluene	C6H5CH3	100-7000 µg/m³ 2-80 ppm	GSP122P GSP122TP
Trichloroethylene	Cl2C :CHCl	20-1200 µg/m³ 1-33 ppm	GSP132P GSP132TP
Vinyl chloride	CH2 :CHCl	50-1500 µg/m³	GSP131P
Xylene	C6H4(CH3)2	540-13500 µg/m³ 2-80 ppm	GSP122P GSP123TP

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