

Dräger SAM 3100 3200 System Components

The Dräger sampling units were designed to measure the concentrations of toxic and potentially explosive substances in locations where access is difficult. All required components are already fitted to a mounting plate. To achieve maximum flexibility for a variety of applications, all Dräger transmitters with process adapter can be used.



Benefits

Easy installation

All electrical connections lead directly to the components, and cables can be routed individually to suit the situation in hand. High quality compression fittings on the mounting plate make it quick and easy to connect the sample gas or air extraction line.

Straightforward one-man assembly

The sampling system comes fully assembled, and the plate can be attached in just a few simple steps by one person. Predrilled holes for fixing screws make easy work of wall-mounting and customer-specific assembly. The sample gas tubes can be installed quickly and easily without the need for screwdrivers.

Variable sampling concepts

The Dräger SAM 3100 and Dräger SAM 3200 units come equipped as standard with a non-explosion-proof sampling pump. From the same series, an explosion-proof pump can be chosen as an option. If process air is available, another alternative is to use a wear-free – and therefore maintenance-free – injector with pressure regulator. The gas flow to be measured is reliably monitored via the ring initiator with integrated connection housing.

System components



ST-11659-2007

Dräger PIR 7000

The Dräger PIR 7000 is an explosion proof point infrared gas detector for continuous monitoring of flammable gases and vapours. With its stainless steel SS 316L enclosure and drift-free optics this detector is built for the harshest industrial environments, e.g. offshore installations.

System components



ST-3812-2003

Dräger Polytron® 7000

The Dräger Polytron® 7000 is a gas detector that can satisfy all toxic and oxygen gas measurement applications on a single platform. It is meeting the requirements of the compliance market as well as the high specification requirements of customized solutions.

Technical Data

Mounting plate	Stainless steel, fitted with measurement head on request (see separate data sheet)	
Dimensions	500 x 500 mm	
Gas pump		
Air transport	Via membrane valves	
Flow rate	7.5 L/min	
Max. neg. pressure	140 mbar	
Max. pos. pressure	1.5 bar	
Weight	3.1 kg	
Voltage / frequency	230 V AC / 50 Hz	
Wattage	70 watts	
Current consumption	0.45 A	
Filter element		
Filter element length	75 mm	
Filter surface area	70 cm ²	
Deadspace volume	65 cm ³	
Materials	Filter head	PVDF/PTFE
	Filter body	Glas
	Filter element	PTFE
Connections	3 x G 1/4" (1x sealed)	
Flowmeter		
Measurement accuracy	± 2.5 % as per VDI/VDE 3513	
Betriebsdruck	10 bar max.	
Connections	1/4" NPT internal thread	
Cone	Borosilicate glass	
Float	Nickel chromium steel	

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