

Compur Statox 501 S
Detector for toxic Gases and O₂



Stattox 501 S, for many gas detection applications

Stattox 501 S features safety wherever toxic gases are manufactured, used or are likely to occur as a byproduct. It continuously monitors the atmosphere outdoors or indoors for health threatening concentrations of toxic gases or oxygen deficiency.

This gas detection system is field – proven in the chemical and petrochemical industry, in waste water treatment and manufacturing plants. It operates with electrochemical sensors, which are very specific to the target gas.

The transmitter provides a linear 4 – 20 mA signal, which can be run into a Stattox 501 control module or directly into a process control system.

As the electronics are designed intrinsically safe, the sensor head can be opened even in hazardous atmosphere without any extra precautions. This makes calibration or even sensor replacement very easy.

As the sensor head has a digital display, only a gas adapter and a screw driver are needed to do this or to perform a one man calibration.

The system is completed by a complete range of useful accessories, such as splash guards, selectivity filters, heat- and rain shields, horns and flash lights.

Technical Data

Detectable Gases:	Measuring ranges:
AsH ₃	0 to 0,5 ppm
Cl ₂	0 to 3; 5 ppm
ClO ₂	0 to 1; 5 ppm
CO	0 to 100; 300 ppm
COCl ₂	0 to 0,3; 1,0; 15; 100 ppm
H ₂	0 to 150; 300; 1000 ppm
H ₂ S	0 to 100 ppm
HCl	0 to 50 ppm
HCN	0 to 20; 30; 100 ppm
HF	0 to 10 ppm
N ₂ H ₄	0 to 1,0 ppm
NH ₃	0 to 150 ppm
NO ₂	0 to 10; 50 ppm
O ₂	2 to 35 Vol.%
O ₃	0 to 1,0 ppm
PH ₃	0 to 1,0 ppm
SO ₂	0 to 5; 20 ppm

Power supply	24 V/DC
Output signal	4 – 20 mA
Operation temperature	- 20 bis + 50°C
Humidity	20 – 95 % r. H.
Weight	0,47 kg
Dimensions	145 x 120 x 85 mm
Material	ABS chromium plated
Protection class	IP 54
Approval	EEx ib IIC T5/6



Sensor head



Stattox 501 Control Module

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