



# GAS SENSOR: Solvents

Type **SX 402**  
Installation In normal electric environment  
Gases **Toluene, Styrene, Xylene, Alcohols etc...**

**Measuring principle:** SX 402 is a tin oxide semiconductor based 4-20 mA transmitter equipped with a micro processor. The processor automatically calibrates the bottom end of the measuring range so that, slow changes in background concentrations as well as measuring errors, due to zero drift of the measuring element, are automatically corrected. The LED-indication-lights give a versatile picture of the operational status of the transmitter, it informs about the state of the loop current etc.

SX 402 is a gas sensor of a new generation, developed with all the experience, gathered by Sensorex during many years, in mind.

Control of ventilation according to requirement in industrial paint shops, glass fibre laminating industry etc. satisfies the **occupational safety** requirements and has also proven to be an excellent **energy saving** technique.

The SX 402 solvents sensor can easily be connected directly to existing building-control automation or to e.g. operate an AC-inverter.

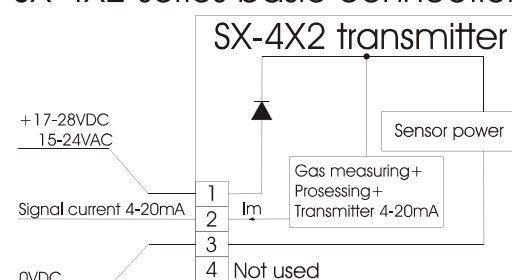
Naturally the AVA-UNIT control units made by Sensorex can also be used as Central Units.



## Technical data:

Operating voltage	17-28VDC or 15-24VAC
Power consumption	approx. 5W
Output	4-20mA lin/log.
Standard meas.range	0-1000ppm or 0-1500ppm/specified gas
Operating temperature	-30...+55°C
Operating humidity	max. 99% RH (non-condensing)
Life expectancy > 5 years	
Response time	<10sec. (90%of full scale)
Service	In dusty conditions the sensor must be cleaned as per requirement.
Cross sensitivity	Flammable hydrocarbons.
Enclosure	IP54
Cable lead-through	PG 9
Cable	e.g. 3 x 0,5mm <sup>2</sup>
Wall Installation	Sensor cover must point down. (wall mounting bracket delivered with sensor.)
Duct installation	With duct adapter. (Adapter must be ordered separately.)

## SX-4X2-series basic connection



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Please note !

Contact with Silicone fumes is to be avoided as they can permanently damage the characteristics of the sensor element. In order to secure the operational reliability of the transmitter, a yearly check up and possible calibration is recommended.