



# GAS SENSOR: Hydrocarbons (CH<sub>4</sub>, C<sub>x</sub>H<sub>x</sub>, etc...)

Type **SX 917**  
 Installation In normal electric environment  
 Gases **Hydrocarbons**

**Measuring principle:** SX 917 has been developed for measuring hydrocarbon concentrations and is a 4-20 mA transmitter fitted with a microprocessor. 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 over a period of time. Checking the operation is easily done by applying test gas to the sensor.

The calibration is simple with Sensorex' **Calibration Kit**. The concentration of the calibration gas is 50 % of the measuring range. E.g. the calibration of the standard range 0-50%LEL gas is done with 25%LEL gas.

The LED-indication-lights inform of the operational status of the transmitter both during normal operation and calibration. During normal operation the Green LED is flashing, informing of the 4 - 20 mA output signal. If the Red LED is continuously lit it informs of a fault in the transmitter, which also occurs as a 2 mA output signal.

The **SX917** represents a new generation of gas sensors with all experience, gathered by Sensorex during many years. The sensor is well suited for measuring hydrocarbon gas concentrations in order to control valves or ventilation according to requirement. (Please note that the sensor is cross sensitive to flammable gases.)

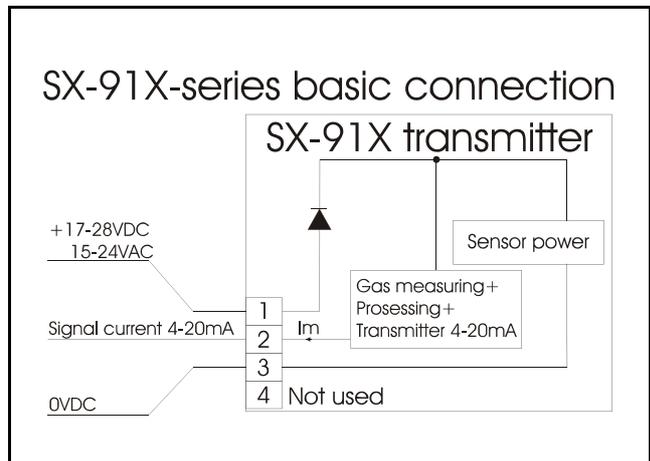
The **SX 917** Hydrocarbon gas sensor can easily be connected directly to existing building-control automation or e.g. control an AC-inverter. Naturally the **AVA-UNIT** control units or the new SX 500DRV controller made by Sensorex can also be used as Central Units.



## Technical data:

Operating voltage	17-28VDC or 15-24VAC
Power consumption	approx. 2W
Output	4-20mA lin. or log.
Standard meas. range	0-50%LEL Hydrocarbons
Operating temperature	-20°...+55°C
Operating humidity	Max. 95% RH (non-condensing)
Life expectancy	>5 years
Response time	<10 sec. (90% of full scale)
Service	In dusty conditions the sensor element must be cleaned as per requirement
Calibration	Calibration should be checked at least once a year
Cross sensitivity	Flammable Hydrocarbons
Sensor cable	3-wire lead
Cable lead-through	PG 9
IP classification	IP 65
Cable	e.g. 3x0,5mm <sup>2</sup>
Wall installation	Sensor cover must point down

(Wall mounting bracket delivered with the sensor)



**Please note!** Contact with silicone fumes or undiluted pure gas 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 check up, when required, and possible calibration is recommended. The sensor, when energized, must be in the same position as when calibrated.

จัดจำหน่ายโดย  
 บริษัท โอเมก้า เมชเชอริง อินสทรูเมนต์ จำกัด  
 50/23 หมู่ 3 ต.มหาสวัสดิ์ อ.บางกรวย จ.นนทบุรี 11130  
 Tel : 02 105 4676  
 Fax : 02 903 0080 ext. 6867  
 Email : info@omi.co.th

www.omi.co.th