

Description:	<ul> <li>Transmitter for flammable gases, toxic gases or oxygen (see ExTox Gas- / Transmitter List)</li> <li>420 mA-output with linear curve</li> <li>For industrial and commercial applications</li> </ul>
Features	
Measured Gas:	Ex Tox Gas- / Transmitter List
Measuring Range:	Ex Tox Gas- / Transmitter List. On demand the standard measuring range can factory
	sided be diversified in range 50 to 200 %. Bigger deviations if applicable on demand.
Measuring Principles:	<ul> <li>SensWT: Catalytic Combustion</li> <li>SensIR: Absorption</li> </ul>
	<ul> <li>SensEC: Electrochemical Cell</li> </ul>
	<ul> <li>SensKE: Electrochemical Oxygen Cell</li> </ul>
	<ul> <li>SensHL: Metal oxide-semiconductor</li> </ul>
Operation Mode:	Diffusion (Operation with aspirated flow possible, e. g. in <i>ExT</i> ox IMC)
Setting Time: Range of Application	Ex Tox Gas- / Transmitter List
Temperature:	Ex Tox Gas- / Transmitter List
Humidity:	10 r. H to 90 r. H (please avoid condensation)
Pressure:	800 hPa to 1100 hPa
Deviations:	<ul> <li>Changes on climatic conditions can be done with the usual rate for atmospheric de- victions. More price the page such as for exercise the shares are such as</li> </ul>
	viations. Very quick changes, such as for example shock pressures, can cause big- ger measuring deviations for short time.
	<ul> <li>Extension of climatic ranges is in particular cases possible acc. to prior agreement</li> </ul>
	with <i>ExT</i> ox.
Conformity	
EC-Directives:	<ul> <li>2014/30/EU (EMC)</li> <li>only SensEC/-KE: 2014/34/EU (ATEX) C€ ☺ II 3G (suitable for Zone 2)</li> </ul>
Protection:	Ex nA IIC T6 X Gc (only SensEC/-KE)
Measuring Functions:	<ul> <li>designed acc. to</li> </ul>
	DIN EN 60079-29-1 (flammable gases)
	DIN EN 45544-1 to DIN EN 45544-3 (toxic gases)
	DIN EN 50104 (oxygen)
	<ul> <li>SensHL: Restrictions due to measuring principle exist as far as requirements of standards regarding linearity are concerned and on climatic influences. This has to</li> </ul>
	be considered for designing alarm concept.
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Mechanical Features	
Dimensions: (Length x Width x Height) Weight: Material: Enclosure Rating: Installation:	<ul> <li>SensWT/-IR/-EC/-HL: 138 mm x 105 mm x 65 mm</li> <li>SensKE: 188 mm x 105 mm x 65 mm</li> <li>ca. 0.5 kg</li> <li>Cast aluminium (lacquered) / Stainless steel</li> <li>IP 65 (except gas inlet)</li> <li>Wall mounting</li> <li>Installation on ceiling by means of angle (as option)</li> <li>Installation in pipes by means of adapter (as option)</li> <li>Installation in suction systems, e. g. <i>Ex T</i>ox IMC, by means of flow through adapter (as option)</li> </ul>
Storage Temperature:	-25 °C to +60 °C
Electrical Features	24 ± 6 V DC
Power Supply: Power Consumption:	<ul> <li>SensWT/-IR/-HL: 80 mA / 2 W</li> <li>SensEC/-KE: 40 mA / 1 W</li> </ul>
Interface:	<ul> <li>420 mA, active (other current and voltage ranges on demand)</li> <li>linear calibration curve</li> <li>Option: RS 485 for remote adjustment (Type Sens-I)</li> </ul>
Max. Load:	$500 \Omega$
Cable Gland:	M 16 x 1.5 (diameter of cable 5 to 9 mm)
Terminal Assignment:	U+ Power Supply 24 V
	GND Ground (power supply and current output)
	4-20mA Current output 420 mA
	A, B RS 485-Interface, only Type Sens-I
	O A B A O
Line:	ExTox-Cable 3 x 0.8 mm or similar
Line Longth.	(Sens-I: ExTox-Cable 6 x 0.8 mm or similar)
Line Length:	Depending on resistance of used cable; when using <i>ExT</i> ox-Cable (wire resistance of

9 Ω/km)

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Sens ...-WT/-IR/-HL: maximum 1000 m Sens ...-EC/-KE: maximum 2000 m .

(Subject to Technical Changes)