

## Gas Analyzer GAE1 O<sub>2</sub>



The gas analyser is provided with a chemical sensor.

Oxygen absorbs infrared light not to the same extent as other gases, therefore it is measured by means of an oxygen sensor cell. Oxygen sensors constitute generators that do not require any external voltage source. Due to the fact that every measuring is coupled with a chemical reaction, the cell gradually dissipates in the presence of oxygen.

### *Technical Data*

<b>Range:</b>	<b>0-25 Vol%O<sub>2</sub></b>
<b>Accuracy:</b>	<b>+/- 1% FS (Full scale)</b>
<b>Pressure Dependence:</b>	<b>&lt; 1% FS / 10hPa</b>
<b>Lower Detection Limit:</b>	<b>&lt; 1% FS</b>
<b>Response Time:</b>	<b>15 Sec</b>
<b>Temperature Range:</b>	<b>5-45 °C</b>
<b>Humidity Range:</b>	<b>15-100% rel. Humidity (non condensing)</b>
<b>Lifetime:</b>	<b>&gt; 2 Years</b>
<b>Measuring gas flow:</b>	<b>10 - 90 l/h</b>
<b>Power Supply:</b>	<b>24-30VDC (electronic stabilized)</b>
<b>Power Consumption:</b>	<b>&lt; 200mA</b>
<b>Analogue output:</b>	<b>4-20mA (non isolated)</b>
<b>Max Load mA-Output:</b>	<b>&lt; 100 Ohm</b>
<b>Dimensions:</b>	<b>Weight 107mm (1/4 19"), Deep: 200mm</b>