



## Ultra.Sens AK25

**Product code:** Ultra.Sens AK25

**Manufacturer:** Wi.Tec

The ULTRA.sens is the world's first OEM gas measurement module based on miniaturized UV LEDs. The stability and lifetime of these UV-LEDs enables high-precision gas analyses down to the ppb range. By using two UV-LEDs 2 gases can be detected simultaneously. With this approach, 2 measuring ranges from ppm to Vol.-% can also be realized.

In the spectral range from 200 nm to 500 nm, nitrogen oxides (NO+NO<sub>2</sub>), aromatic hydrocarbons, hydrogen sulphide, ozone, sulphur dioxide and chlorine can be reliably detected with this novel sensor platform.

Applications:

- Environmental and Process Measurement Technology (CEM)
- Engine development
- TOC analyzers
- Elemental analysis
- Industrial gas analysis
- Natural gas/biogas analysis
- Process measurement technology
- Biogas research
- Measurement of SO<sub>2</sub>, NO<sub>2</sub>, NO, H<sub>2</sub>S, CL<sub>2</sub>, O<sub>3</sub> in combination (3 gases ) or as single gas module are possible

**Accuracy**

±2 % F.S.

**Energetic consumption**

< 3 Watt @ 24 VDC



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<b>Measurement range</b>	< 10 Vol.%
<b>Temperature range</b>	5°C - 45°C
<b>Target Gas</b>	Multigas
<b>Response Time</b>	1 second (T90)
<b>Output</b>	RS232, Can, Analog