



# ULTRA.sens<sup>®</sup> AK100 TBH

**Product code:** ULTRA.sens<sup>®</sup> AK100  
TBH

**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 NO,SO<sub>2</sub>, NO<sub>2</sub> in combination or as single gas module are possible

**Accuracy**

±2 % F.S.

**Energetic consumption**

< 10 Watt



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<b>Output current</b>	RS232, Can, Analogic
<b>Reading per seconds</b>	3 seconds (T90)
<b>Measurement range</b>	<100 Vol.%
<b>Temperature range</b>	5°C - 45°C
<b>Target Gas</b>	Multigas