



ULTRA.sens® AK100 TBH

Product code: ULTRA.sens® 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+NO₂), 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,SO₂, NO₂ in combination or as single gas module are possible

Accuracy

±2 % F.S.

Energetic consumption

< 10 Watt



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