



## INFRA.sens<sup>®</sup> AK20

**Product code:** INFRA.sens<sup>®</sup> AK20

**Manufacturer:** Wi.Tec

The INFRA.sens was specially developed for high-quality NDIR gas analysis. In the design phase, special emphasis was placed on high stability and a low detection limit. With the use of high-performance light emitting diodes (IR-LED) and thermal micro radiators, which were adapted to the needs of gas measurement technology, these goals were achieved in full.

In the spectral range from 2  $\mu\text{m}$  to 12  $\mu\text{m}$ , carbon dioxide, carbon monoxide, hydrocarbons and nitrous oxide can be reliably detected up to the ppm range with this new 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 CO<sub>2</sub>, CO, CH<sub>4</sub>, SF<sub>6</sub>, N<sub>2</sub>O, HC, H<sub>2</sub>O, CF<sub>4</sub> in combination (up to 3 gases) or as single gas module are possible

<b>Output formats</b>	RS232, Can, Analogica
<b>Accuracy</b>	$\pm 2$ % F.S.
<b>Energetic consumption</b>	< 10 Watt
<b>Measurement range</b>	<1 Vol.%



**Tecnosens S.p.A.**  
Via Vergnano,16 25125  
Brescia (BS) Italia  
  
Tel: (+39) 030 3534144  
Fax: (+39) 030 3530815  
info@tecnosens.it  
PEC: tecnosens@legalmail.it

---

<b>Temperature range</b>	5°C - 45°C
<b>Target Gas</b>	Multigas
<b>Temp. drift</b>	3 secondi (T90)