



Infra.Sens AK100

Product code: Infra.Sens AK100

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 μm to 12 μm , 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 CO₂, CO, CH₄, SF₆, N₂O, HC, H₂O, CF₄ in combination (up to 3 gases) or as single gas module are possible

Accuracy	±2 % F.S.
Energetic consumption	< 10 Watt
Measurement range	< 1 Vol.%



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Temperature range	5°C - 45°C
Target Gas	Multigas
Response Time	3 seconds (T90)
Output	RS232, Can, Analog