



INFRA.sens® AK20

Product code: INFRA.sens® 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 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

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|------------------------------|-----------------------|
| Output formats | RS232, Can, Analogica |
| 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 |
| Temp. drift | 3 secondi (T90) |