



INFRA.sens[®]

AK250TBH

Product code: INFRA.sens[®]
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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



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

Measurement range	<100 Vol.%
Temperature range	5°C - 45°C
Target Gas	Multigas
Response Time	3 secondi (T90)
Output	RS232, Can, Analogica