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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

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)

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