



Combustion analysers

Domestic & industrial heating



Gas analysis / Pressure / Temperature



European manufacturer
www.kimo.fr

NEW RANGE

Combustion analysers Kigaz

Gas analysis/Temperature/Pressure

Heating professionals

Our solutions

The new KIGAZ analysers are intended for efficiency monitoring and optimisation and for limiting emissions from all types of boiler.

This new range of combustion analysers provides practical solutions to improve working life in the field.

 www.kimo.fr/en/kigaz



ECONOMICAL Kigaz 50

- O₂ and CO sensors
- Remote printer (option)
- Thermocouple K input for DHW network
- Supplied with adjustment certificate and storage bag



O₂/CO
Fixed sensors



COMPACT Kigaz 80

- 2 interchangeable sensors
- Remote printer (option)
- Thermocouple K input for DHW network
- Supplied with calibration certificate, Ligaz-2 software, protective shell and storage bag



O₂/CO-H₂
interchangeable



ESSENTIAL Kigaz 110

- 2 interchangeable sensors
- Sensor protection by pump shutdown
- Integrated printer
- Supplied with calibration certificate, Ligaz-2 software, protective shell and storage bag



O₂ LV/CO-H₂
interchangeable

Summary

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Interchangeable sensors

Easy user replacement, no need to return to the factory*.

P. 04

NEW

KIGAZ mobile

Mobile application compatible with the entire KIGAZ range*.

P. 05



* Excluding KIGAZ 50



FLEXIBLE Kigaz 210

- Up to 3 interchangeable sensors
- CO sensor protection by solenoid valve
- Auto-zero in flue
- Integrated printer
- Supplied with calibration certificate, Ligaz-2 software, protective shell and storage bag
- Changeable probe length



O₂/LV/CO-H₂/NO/CH₄
interchangeable



EXPERT Kigaz 310

- Up to 4 interchangeable sensors
- CO dilution up to 5%
- Auto-zero in flue
- Integrated printer
- Integrated condensate trap
- 3 pressure sensors
- Supplied with calibration certificate, Ligaz-2 software, protective shell and storage case
- Changeable probe length



O₂/LV/CO-H₂/NO/NO₂/SO₂/CH₄
interchangeable





The advantages of the KIGAZ range

Easy to use

With a colour or black-and-white screen, our new combustion gas analysers have an ergonomic design enabling measurements to be made as easily as possible by means of:

- A 10 button keypad
- An intuitive graphical interface



Protective rubber
shell



Interchangeable sensors

The sensor electronics contain calibration data, which means that the operator can replace them without returning the unit to the factory.

KIMO equips its KIGAZ units with a lead-free O₂ sensor with a lifetime of 5 years.



Long life
O₂ sensor



Connected appliances

Available as an option, the low consumption Bluetooth module is compatible with all KIGAZ units (excluding the class 50) and provides significant time gains by wirelessly connecting analysers with LIGAZ-2 or LOGAZ-2 software or the mobile KIGAZ application.



Bluetooth®
Connection





Software

LIGAZ-2/LOGAZ-2/KIGAZ mobile



DATA
synchronisation



LIGAZ-2

Software supplied with the entire KIGAZ range*

Appliance configuration

Enter the fuels, operators, print header etc.

Database management

Manage your customers, boilers and visits.

Report printing

Transfer and print your data.



LOGAZ-2

Software available as an option for KIGAZ 50, 110, 210 and 310

Same functions as LIGAZ-2, plus:

Planning

Plan your work programme (customer, boiler, visit type).

Contract management

Manage your maintenance contracts, operator planning and customer follow-up.

Real-time mode

Visualise and record measurements in real time.

Report creation

Personalise your reports before printing or export to PDF.

* Excluding KIGAZ 50



KIGAZ mobile

App compatible with the entire KIGAZ range* with Bluetooth® option

iOS and Android compatible app

- Visualisation of measurements in real time
- Graphical display
- Measurement recording
- Export in CSV, XML and PDF format
- Transmission of maintenance certificate by email

FREE
App





KIGAZ 310

The expert



Up to 4
interchangeable sensors



The KIGAZ 310 is the most comprehensive in the range and is configurable to your requirements, with four interchangeable sensors.



Auto-zero
in the flue



Long life
O₂ sensor



CO
Dilution



Mobile
application



Large
colour screen



Integrated
printer



DHW network
2 thermocouple K inputs



Changeable
probe length



Measurement ranges

lead-free O ₂	0 to 21%
CO (H ₂ compensated)	0 to 8000 ppm
CH ₄	0 to 10 000 ppm
NO	0 to 5000 ppm
Low range NO	0 to 500 ppm
NO ₂	0 to 1000 ppm
SO ₂	0 to 5000 ppm
NO _x	0 to 5155 ppm
CO ₂	0 to 99% vol

Flue gas temp.	-100 to +1250°C
Ambient temp. NTC	-20 to +120°C
Ambient temp. Pt 100	-50 to +250°C
Dew point temp.	0 to +99°Ctd
DHW temp.	-200 to +1300°C
Draught	±1000 Pa
Differential pressure	±20 000 Pa
Losses	0 to 100%
Flue gas speed	0 to 99,9 m/s
Air excess	1 to 9.99
Efficiency	0 to 120%
Opacity index	0 to 9

Up to 4 interchangeable sensors

The KIGAZ 310 adapts to any standard-based constraint and meets all of your requirements. Access to the sensors is straightforward, and the operator can replace them without returning the unit to the factory.



O₂/LV/CO-H₂/NO/NO₂/SO₂/CH₄
electrochemical sensors

Integrated condensate trap

Save time with the KIGAZ 310's integrated condensate trap. The trap provides the security of overflow-free measurement and warns you when the maximum level is reached.

The filter integrated into the handle of the probe is easy to replace.



Maximum level
Alarm



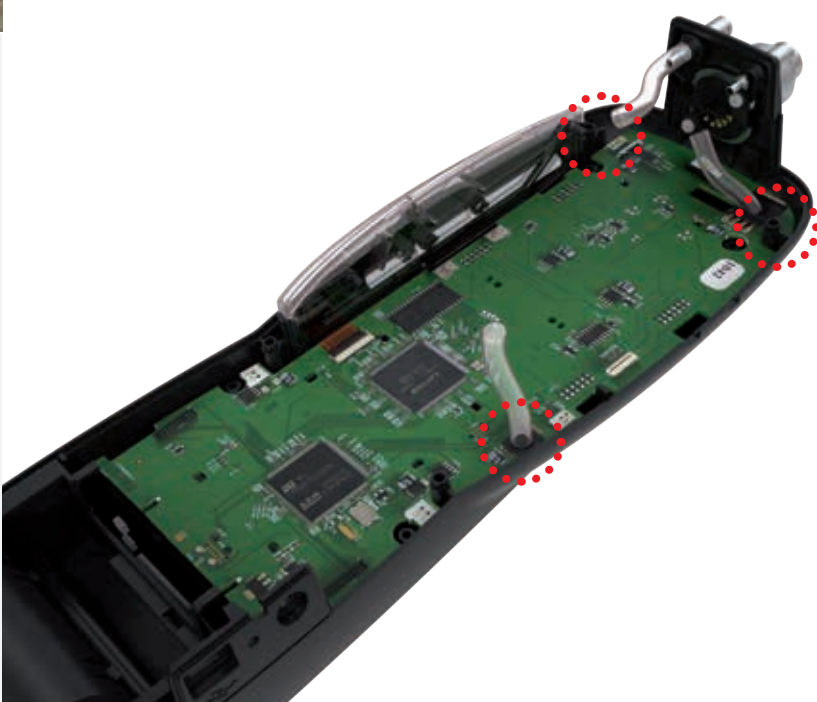
3 pressure sensors

For still more accurate measurements, the KIGAZ 310 is equipped with 3 pressure sensors, enabling:

- measurement of differential pressure with manual auto-zero
- high accuracy draught measurement with auto-zero by solenoid valve
- measurement of pump flow with 3 levels of regulation, blocked filter compensation and seal testing



Automatic pump control





KIGAZ 210

The flexible unit



Up to 3 interchangeable sensors



Supplied with CALIBRATION certificate

Flexible and accurate, the KIGAZ 210 makes all of your operations simple. It offers a range of configurable measurements according to your requirements, and its icon-based navigation system makes it very easy to use.



Interchangeable O_2 LV/CO-H₂/NO/CH₄



Long life O₂ sensor



Auto in the flue



Mobile application



CO sensor protection by solenoid valve



Integrated printer



DHW network 2 thermocouple K inputs



Changeable probe length



Measurement ranges

lead-free O ₂	0 to 21%
CO (H ₂ compensated)	0 to 8000 ppm
CH ₄	0 to 10 000 ppm
NO	0 to 5000 ppm
Low range NO	0 to 500 ppm
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CO ₂	0 to 99% vol

Flue gas temp.	-100 to +1250°C
Ambient temp. NTC	-20 to +120°C
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DHW temp.	-200 to +1300°C
Draught pressure	±20 000 Pa
Losses	0 to 100%
Flue gas speed	0 to 99,9 m/s
Air excess	1 to 9.99
Efficiency	0 to 120%
Opacity index	0 to 9



KIGAZ 110

The essential unit



2 interchangeable sensors

The KIGAZ 110 combustion gas analyser is the ideal appliance for rapid use on all types of boiler up to 400 kW. Easy to use and sturdy, it allows the main inspection points to be examined.



Interchangeable **O₂LV/CO-H₂**



Long life O₂ sensor



Integrated printer



Mobile application



DHW network
1 thermocouple K input



Sensor protection by **pump shutdown**



Supplied with **CALIBRATION** certificate

Measurement ranges

lead-free O ₂	0 to 21%
CO (H ₂ compensated)	0 to 8000 ppm
CO ₂	0 to 99% vol

Flue gas temp.	-100 to +1250°C
Ambient temp. NTC	-20 to +120°C
Ambient temp. Pt 100	-50 to +250°C
Dew point temp.	0 to +99°Ctd
DHW temp.	-200 to +1300°C
Draught pressure	±20 000 Pa
Losses	0 to 100%
Air excess	1 to 9.99
Efficiency	0 to 120%
Opacity index	0 to 9



KIGAZ 80

The compact unit



2 interchangeable sensors

With a light, compact design, the KIGAZ 80 provides all the necessary functions to accurately measure the main combustion data for a domestic boiler up to 400 kW.



Supplied with **CALIBRATION** certificate



Interchangeable **O₂/CO-H₂**



Mobile application



Sensor protection by **pump shutdown**



Remote printer



DHW network
1 thermocouple K input



Option available
remote printing

Measurement ranges

lead-free O ₂	0 to 21%	Flue gas temp.	-100 to +1250°C
CO (H ₂ compensated)	0 to 8000 ppm	Ambient temp. NTC	-20 to +120°C
CO ₂	0 to 99% vol	Ambient temp. Pt 100	-50 to +250°C
		Dew point temp.	0 to +99°Ctd
		DHW temp.	-200 to +1300°C
		Draught pressure	±20 000 Pa
		Losses	0 to 100%
		Air excess	1 to 9.99
		Efficiency	0 to 120%
		Opacity index	0 to 9



KIGAZ 50

The economical unit



2 fixed sensors

The KIGAZ 50 analyser provides you with the essential functions in a compact unit, enabling you to take reliable sets of measurements from domestic boilers up to 400 kW.



Sensors
O₂/CO



DHW network
1 thermocouple K input



Auto-zero
30 seconds



Remote
printer



Option available
remote printing

Measurement ranges

Identical to those of the KIGAZ 80*

* No CO compensation
or Dew point temperature

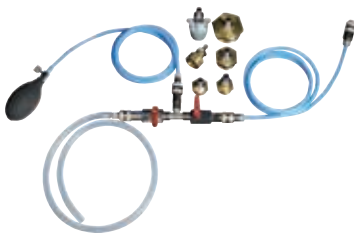


Accessories

For combustion analysers

Tightness kit

For gas networks



Ionisation current probe

For gas boilers



Air quality probes

CO and ambient CO₂

Gas leak probe

CH₄ and other fuel gases

Contact tips and probes*

For solid fuel
Flexible probe
Different probe lengths (210/310)

* Excluding KIGAZ 50

Temperature probes

Probes specially designed for DHW network
Ambient and lamella contact probe



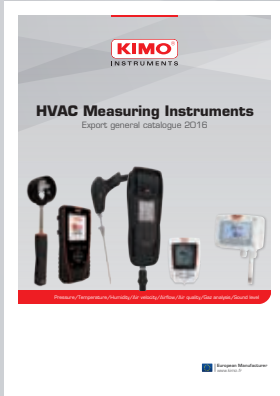
Opacity pump

Oil-fired boilers

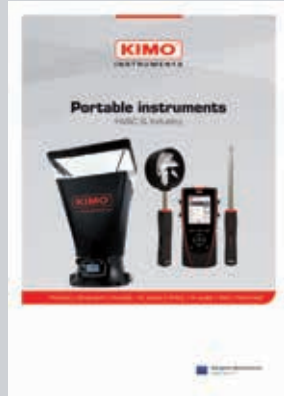


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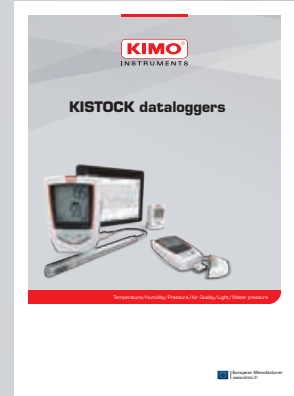
General catalogue



Portable instruments



Sensor transmitters



Dataloggers

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