KIMO®
INSTRUMENTS

COMBUSTION ANALYSERS

Domestic & industrial heating



www.kimo-instruments.com

French Manufacturer

CONTROL OF BOILERS

Combustion analysers

Kigaz

Gas analysis / Temperature / Pressure

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.



ECONOMICAL
Kigaz 50

- O_2 and CO sensors
- Remote printer (option)
- Thermocouple K input for DHW network
- Supplied with adjustment certificate and storage bag

O_2 / 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

O_2 / CO-H_2 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

O_2LV / CO-H_2 interchangeable

Summary

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Kigaz mobile

Mobile application compatible with the entire Kigaz range*.

P. 05



Interchangeable sensors

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

P. 04

* 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

O_2LV / CO-H_2 / NO / CH_4 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

O_2LV / CO-H_2 / NO / NO_2 / SO_2 / CH_4 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 O_2 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



Softwares

Ligaz-2 / Logaz-2 / Kigaz mobile



Ligaz-2

Software supplied with the entire Kigaz range*

Logaz-2

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

Appliance configuration

Enter the fuels, operators, print header etc.

Database management

Manage your customers, boilers and visits.

Report printing

Transfer and print your data.

Same functions as LIGAZ-2, plus:

Planning

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

Real-time mode

Visualise and record measurements in real time.

Contract management

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

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



DISPONIBLE SUR Google play

Télécharger dans l'App Store

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.



Supplied with CALIBRATION certificate

- **Auto-zero in the flue**
- **Changeable probe length**
- **CO Dilution**
- **Mobile application**
- **Long life O_2 sensor**
- **Bluetooth® connection**
- **DHW network 2 thermocouple K inputs**
- **Integrated printer**





Measurement ranges

Lead-free O_2	0 to 21 %
CO (H_2 compensated)	0 to 8,000 ppm
CH_4	0 to 10,000 ppm
NO	0 to 5,000 ppm
Low range NO	0 to 500 ppm
NO_2	0 to 1,000 ppm
SO_2	0 to 5,000 ppm
NO_x	0 to 5,155 ppm
CO_2	0 to 99 % vol

Flue gas temp.	-100 to +1,250°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 +1,300°C
Draught	±1,000 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.

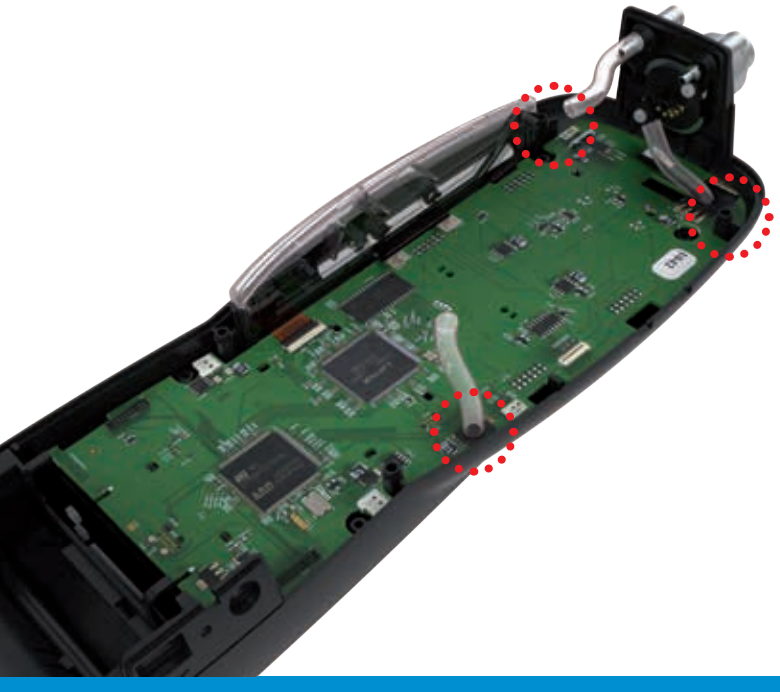
O_2LV / CO-H_2 / NO / NO_2 / SO_2 / CH_4 interchangeable

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



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.

- **O_2LV / CO-H_2 NO / CH_4 interchangeable**
- **Mobile application**
- **Auto-zero in the flue**
- **Changeable probe length**
- **CO sensor protection by solenoid valve**
- **Integrated printer**





Measurement ranges

Lead-free O_2	0 to 21 %
CO (H_2 compensated)	0 to 8,000 ppm
CH_4	0 to 10,000 ppm
NO	0 to 5,000 ppm
Low range NO	0 to 500 ppm
NO_x	0 to 5,155 ppm
CO_2	0 to 99 % vol

Flue gas temp.	-100 to +1,250°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 +1,300°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.

- **O_2LV / CO-H_2 interchangeable**
- **DHW network 1 thermocouple K input**
- **Long life O_2 sensor**
- **Mobile application**
- **Sensor protection by pump shut-down**
- **Integrated printer**





Measurement ranges

Lead-free O_2	0 to 21 %
CO (H_2 compensated)	0 to 8,000 ppm
CO_2	0 to 99 % vol

Flue gas temp.	-100 to +1,250°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 +1,300°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.



O_2 / CO-H_2 interchangeable

Mobile application

DHW network 1 thermocouple K input

Remote printer

Sensor protection by pump shutdown







Option

Remote printer

Measurement ranges

Lead-free O_2	0 to 21 %
CO (H_2 compensated)	0 to 8,000 ppm
CO_2	0 to 99 % vol

Flue gas temp.	-100 to +1,250°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 +1,300°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.

- O_2 / CO sensors
- Remote printer
- DHW network 1 thermocouple K input
- Auto-zero 30 seconds

Measurement ranges

Identical to those of the Kigaz 80*

* No CO compensation or dew point temperature



Option

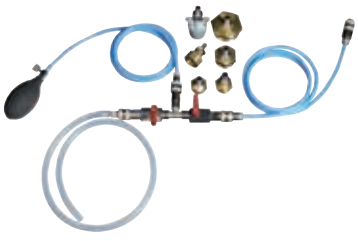
Remote printer

Accessories

For combustion analysers

Tightness kit

for gas networks



Ionisation current probe

for gas boilers



Air quality probes

CO and ambient CO_2

Gas leak probe

CH_4 and other fuel gases

Contact tips and probes*

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

* Excluding Kigaz 50

Opacity pump

oil-fired boilers

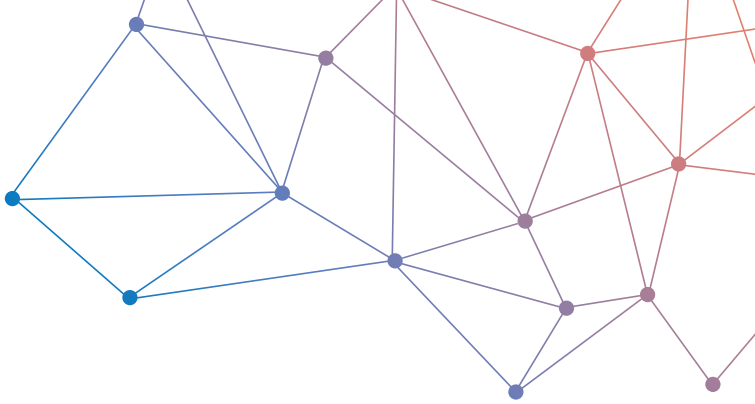


Temperature probes

Probes specially designed for DHW network
Ambient and lamella contact probe



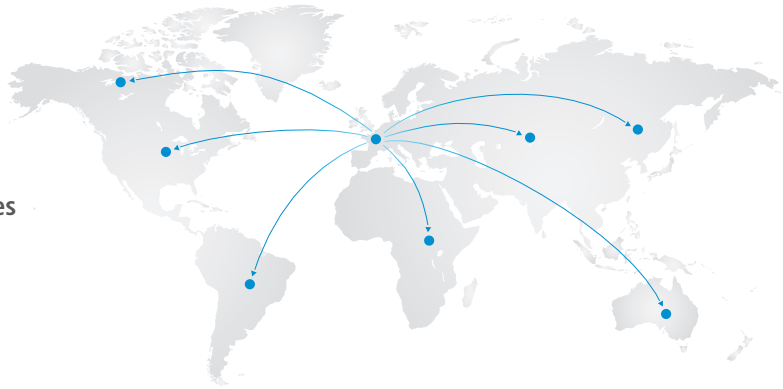




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