






가

KIGAZ 310



-  O₂ 5
-  CO-H₂, NO, NO₂, SO₂, CH₄
가
-  CO
-  Auto
-  가

 **KIGAZ MOBILE**
Application

-
- 가 LED
- 2 G (100,000)

가	- Autozeroing in the flue - CO dilution up to 5% ¹	Flue gases CO and CO ₂ , ambient CO max	Interchangeable sensors: long life O ₂ , CO ₂ , NO, NO ₂ , SO ₂ , CH ₄ (optional)	Excess air Losses	Efficiency > 100%
,	Differential pressure measurement	High accuracy draft measurement with autozero by solenoid valve	Gas flow auto-setting		
	Ambient temperature	Flue gas temperature	Delta Temperature	DHW Temperature 2 thermocouples	Dew point temperature
	15 programmed combustibles ²	Adding 5 combustibles by the user	Opacity index		

¹With an accuracy of ±10% of the measurement

²Combustibles: Sahara/Fos-sur-Mer Natural Gas, Groningen Natural Gas, Russia/North Sea Natural Gas, Propane, LPG, Butane, Light Oil, Heavy Oil, Bituminous coal, Hard coal, Coke gas, Bio fuel 5%, Wood 20%, Wood-chip 21%, Pellet 8%

					T ₉₀
Long life O ₂	Electrochemical	From 0 % to 21 %	0.1 % vol.	±0.2 % vol.	30 s
CO (H ₂)	Electrochemical	From 0 to 8000 ppm	1 ppm	From 0 to 200 ppm: ±10 ppm From 201 to 2000 ppm: ±5 % of the measured value From 2001 to 8000 ppm: ±10 % of the measured value	30 s
NO	Electrochemical	From 0 to 5000 ppm	1 ppm	From 0 to 100 ppm: ±5 ppm. From 101 to 5000 ppm: ±5 % of the measured value	30 s
Low range NO	Electrochemical	From 0 to 500 ppm	0.1 ppm	From 0 to 100 ppm: ±2 ppm From 101 to 500 ppm: ±2 % of the measured value	30 s
NO _x	Calculated**	From 0 to 5155 ppm	1 ppm	-	-
NO ₂	Electrochemical	From 0 to 1000 ppm	1 ppm	From 0 to 100 ppm: ±5 ppm. From 101 to 1000 ppm: ±5 % of the measured value	80 s
SO ₂	Electrochemical	From 0 to 5000 ppm	1 ppm	From 0 to 100 ppm: ±5 ppm. From 101 to 5000 ppm: ±5 % of the measured value	80 s
CO ₂	Calculated**	From 0 to 99 % vol	0.1% vol	-	-
CH ₄	Semiconductor	From 0 to 10000 ppm From 0 to 1 % Vol From 0 to 20 %LEL	1 ppm 0.0001 % Vol 0.002 %LEL	±20 % of full scale	40 s
가	K thermocouple	From -100 to +1250 °C	0.1 °C	±0.4 % of the measured value or ±1.1 °C	45 s
	Internal NTC	From -20 to +120 °C	0.1 °C	±0.5 °C	
()	Pt100 (1/3 DIN external probe)	From -50 to +250 °C	0.1 °C	±0.3 % of the measured value ±0.25 °C	30 s
	Calculated**	From 0 to +99 °Ctd	0.1 °C	-	-
	TcK (external probe)	From -200 to +1300 °C	0.1 °C	±0.4 % of the measured value or ±1.1 °C	-
	Piezoelectric	From -10 to +10 Pa From -1000 to +1000 Pa	0.1 Pa 1 Pa	From -100 to -10 Pa: ±2 Pa From -10 to +10 Pa: ±0.5 Pa From +10 to +100 Pa: ±2 Pa Above: ±2 % of the measured value	-
	Piezoelectric	From -20 000 to +20 000 Pa	1 Pa	From -20 000 to -751 Pa: ±0.5 % of the measured value ±4.5 Pa From 750 to -61 Pa: ±0.9 % of the measured value ±1.5 Pa From -60 to 60 Pa: ±2 Pa From 61 to 750 Pa: ±0.9 % of the measured value ±1.5 Pa From 751 to 20 000 Pa: ±0.5 % of the measured value ±4.5 Pa	-
가	Calculated**	From to 100%	0.1%	-	-
가	Calculated**	From to 99.9 m/s	0.1 m/s	-	-
(λ)	Calculated**	From 1 to 9.99	0.01	-	-
(ηs)	Calculated**	From 0 to 100%	0.1 %	-	-
(ηθ)	Calculated**	From 0 to 120%	0.1%	-	-
()	External instrument	From 0 to 9	-	-	-

*All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with required compensation.

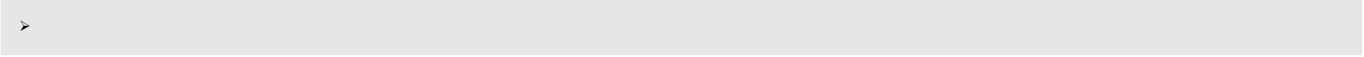
**Calculation is made based on the measured values by the analyser.

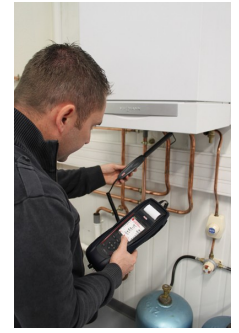
	: 331 x 112 x 86 mm	: 180 mm	: 2.50 m
()	1120 g		
	TFT 3.5" colour screen		
	Elastomer keypad; 3 function keys; OK key; 4 direction arrows; ON/OFF key; Escape key		
	Housing and probe: ABS; Probe cable: neoprene; Contact duct: PA 6.6 reinforced 30 % glass fiber		
	USB / Bluetooth® ()		
	IP40		

/	10 h in continuous operating / Li-Ion battery 3.6 V 4400 mA Voltage of power supply : 100-250 VAC, 50-60 Hz
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	10 h
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/	From +5 to +50 °C / From -20 to +50 °C. Altitude: from 0 to 2000 m.
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가

CO, CO2

	KIGAZ 310 CLA	KIGAZ 310 STD	KIGAZ 310 PRO
	2 (O ₂ long life, and CO-H ₂)	3 (O ₂ long life, CO-H ₂ and NO)	4 (O ₂ long life, CO-H ₂ , NO, NO ₂ or SO ₂)
가	Yes: CH ₄ , NO, NO ₂ , SO ₂	Yes: CH ₄ , NO ₂ , SO ₂	-
	Yes	Yes	Yes
	Yes	Yes	Yes
가	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Yes	Yes
LIGAZ-2	Yes	Yes	Yes



가

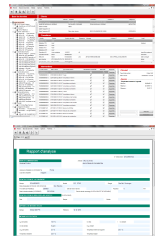
LIGAZ-2

가

- 가
- 가
- 가

PC

PC



LIGAZ-2



LOGAZ-2:

가

가

- SCOT: CO
- SCO2T: CO2
- SPA 150SP: PT100
- SKCL 150:
- SCI:



- PSK-180: 가 180mm, 500 가
- PSK-300: 가 300mm, 500 가
- PSK-750: 가 1000, 750mm 가
- PSK-1000: 가 1000, 1000mm 가



- SDFG: 가 가 (CH₄)
- PMO: 50
- KEG: 가



Bluetooth module

Data download and instrument configuration by PC.
 Connection to the KIGAZ MOBILE application:
 - Graphic visualization
 - Saving
 - Exportation under CSV, XML, PDF format
 - Reports sending by e-mail



KIGAZ MOBILE application for smartphones and tablets



*See the technical data sheet of accessories for KIGAZ for more details.

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