KIMO INSTRUMENTS

Technical Data Sheet

Pressure • Temperature • Humidity • Air Velocity • Air Flow • Acoustics

Supplied with* Calibration certificate

New

CE

Air quality
AQ 100

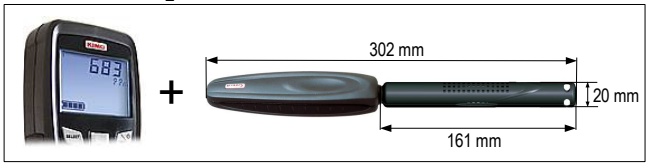
Functions

- Selection of units (temperature)
- Minimum and maximum values
- HOLD function
- Adjustable automatic shut-off
- Adjustable backlight

Technical features

Measuring element	**CO_2** : Infrared sensor. (Non dispersive- infrared sensor NDIR) **Ambient temperature** : Pt100 class A
Display	2 lines, LCD technology. Sizes 50 x 34.9 mm. 1 line of 5 digits with 7 segments (value) 1 line of 5 digits with 16 segments (unit)
Housing	Shock-proof made of ABS, IP54 protection
Keypad	Metal-coated with 5 keys
Cable	retractable, length 450 mm, up to 2.4 m when released
Conformity	electromagnetical compatibility (NF EN 61326-1 guideline)
Power supply	1 alcaline battery 9V 6LR61
Operating temperature	from 0 to 50°C
Storage temperature	from -20 to +80°C
Auto shut-off	adjustable from 0 to 120 min
Weight	190g
Languages	French, english

AQ100 – *CO_2 / temperature probe* – *Fixed probe*



*except class 102S

Specifications

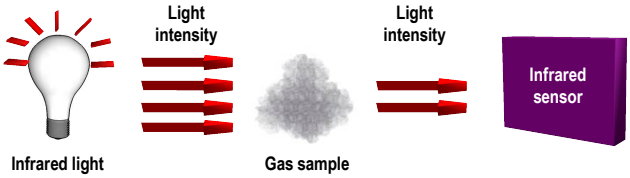
	Measuring units	Measuring ranges	Accuracy*	Resolutions
CO_2				
	ppm	From 0 to 5000 ppm	±3 % of reading ±50 ppm**	1 ppm
AMBIENT TEMPERATURE				
	°C, °F	from -20 to +80°C	±0.4% of reading ±0.3°C	0.1°C

*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.
**the accuracy is expressed either by a deviation in ppm, or by a percentage of the value concerned. Only the bigger value is considered.

Working principle

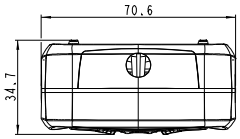
NDIR - Non dispersive infrared absorbance

A gas absorbs light at a specific wavelength, some of the intensity emitted by the infrared source is absorbed by the gas sample. The amount of light read by the IR sensor is inversely proportional to CO_2 concentration.

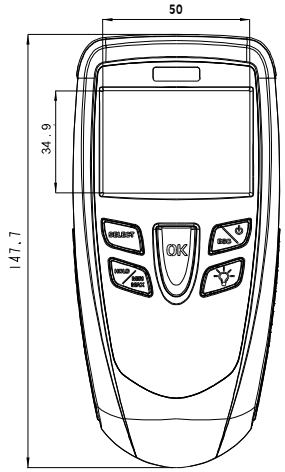


Dimensions

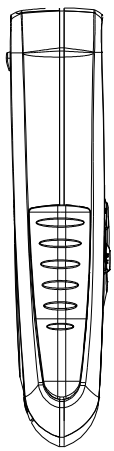
• Top view



• Front view



• Side view



Supplied with ...

DESCRIPTION	AQ 100
Calibration certificate*	●
Transport case	●

● Included ○ Optionnal

*except class 102S

Accessories *(See related datasheet)*

CE 100	RTS
Protective cover with magnet and holding system	Telescopic extension (for probe) , 1m long and bent at 90°.

Warranty period

Instruments have 1-year guarantee for any manufacturing defect (return to our After-Sales Service required for appraisal).

www.kimo.fr

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