





من نحن؟

مؤسسة هيثم قاضي التجارية هي مؤسسة تجارية سعودية مختصة ببيع الأجهزة الطبية وأجهزة القياس والتحكم للمستشفيات بما فيها غرف العزل وغرف العمليات والمؤسسات والمختبرات والمراكز الطبية في شتى أنحاء المملكة

ABOUT US

Haitham Qadi Trading Est. (HQ.Trd.) is located in Riyadh, it was established in 2010, since that we are growing rapidly on sale balances, analytical instruments, automated sample for hospitals, medical centers and corporations.

هدفنا

ثقتكم محل اهتمامنا لذلك نسعى دائماً بأن نرقى مجتمعتنا وبأن نكون رائدين في مجالنا عندما نقارن معاييرنا بمعايير الأسواق العالمية لننقل لكم أحدث التكنولوجيا بجودة عالية وأسعار مناسبة

OUR GOAL

Your trust in this matter is greatly appreciated for this reason we are seeking to be number one in our business to offer you instruments with a very high quality and low prices.

قيمنا

الإلتزام ومنح الرضا التام لعملائنا
الإحترام والنزاهة في جميع الأحوال
الدقة والإحترافية في عملنا
المرونة في حل المشكلات وإيجاد حلول مميزة

OUR VALUES

Commitment and satisfaction to our customers.
Respect and loyalty in our treatment.
Professionalism and flexibility in our work.
Collaboration with a high level of motivation.

Temperature / Humidity / Pressure / Air velocity / Airflow / Air quality
Gas detection / Light / Tachometry

NEW RANGE

HVAC Portable instruments

New features

- Designed for the field
- Ease of use
- Nonstop measurements
- Scalable instruments
- Interchangeable probes



Class 310
multifunction



IP54 ABS housing
Integrated protection



Class 210
multi-probes



Class 50 & 110
monofunction

Class 50, 110, 210 & 310

The of class 210 & 310



Designed for the field

An overmoulding made of elastomere protects the instrument, guarantees shockproofing



Nonstop measurements

This new generation of instruments has an interchangeable and rechargeable Li-ion battery.



Modules

1. Climatic conditions
2. Thermocouple (4 channels)
3. Pressure
4. U Coefficient



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Class 50, 110 & 210

Hygrometers

HD 50/110 - HQ 210

3 to 98 %RH
 -200 to +600°C
 -50 to +80°C_{td}



Tachometers

CT 50/110

Optical : 60 to 60,000 rpm
 Contact : 30 to 20,000 rpm



Accessories



1. Software
2. Protective housing
3. ABS transport case
4. Saturated salt solutions
5. Measuring cones
6. Debimo blades
7. Gas network pack
8. Pitot tubes

Class 310



AMI

Multifonction

AMI 310 is a multi-probe instrument which can measure up to 6 parameters simultaneously.



Wireless Probes



Data processing Software



Interchangeable Probes & Modules



Micro-SD Card



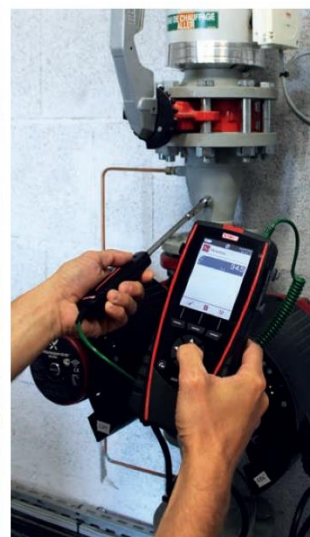
Graphical Display



Colour Wide screen

Measuring ranges

- ± 500 Pa / $\pm 2,500$ Pa / $\pm 10,000$ Pa
- ± 500 mbar / $\pm 2,000$ mbar
- Thermocouple: -200 to $+1760^{\circ}\text{C}$
- Pt 100: -200 to $+600^{\circ}\text{C}$
- Humidity: 3 to 98 %RH
- CO: 0 to 500 ppm
- CO₂: 0 to 5,000 ppm
- Air velocity: -5 to 35 m/s
- Airflow: 0 to 99,999 m³/h
- Gas leak detection: 0 to 10,000 ppm
- Tachometry: 30 to 60,000 rpm



NEW

Portable Thermometers



Class 210 - TM 210

- -200 to +1,760°C
- 2 Pt 100 channels
- 4 thermocouple inputs
- 1000 datasets



Thermocouple module
4 channels



Class 50

TK 50/52 - TR 50/52

1 or 2 channels
for Pt 100 probes,
Thermocouple K, J, T, S
-200 to +1,760°C



Class 100

TK 110/112 - TR 110/112

Configurable alarms
Hold/Min/Max functions
1 or 2 channels for Pt 100 probes,
Thermocouple K, J, T, S
-200 to +1,760°C



INFRARED

Thermometers

KIRAY 100/200/300

Diagnose, inspect and check any
temperature, with the advantage
of using "no-contact" technology.
-50 to +1,850°C



DBM 610

Airflow / Air velocity



Interchangeable
Hoods



Pa Micromanometer
Function



A solution for airflow commissioning and balancing

DBM 610 can be used on any supply or exhaust, air distributors: rectilinear, helical and toric.

- Quick and simple hood changes
- Measuring range from 40 to 3,500 m³/h or 24 to 2060 cfm
- Simultaneous display of airflow and temperature
- Automatic airflow direction (extraction or air blast)
- Supplied with 610x610 mm hood
- 4 others hoods are available as options

720 x 720 mm
720 x 1,320 mm
420 x 1,520 mm
1,020 x 1,020 mm

Micromanometer
function
with Pitot tube



Remote velocity grid

NEW

Designed for air velocity measurements on any type of large ceiling vent or diffuser.

The grid is similar to the DBM610 grid. It calculates the average air velocity from 24 points to guarantee a reliable measurement. The grid is attached to a telescopic (maximum length is 2.05 m) and articulated pole (0 to 90°). Struts of 3 different lengths allow for correct positioning of the grid on the ceiling surface.

A backpack allows easy carriage of the grid and its accessories (telescopic pole, articulation, 2 x 2.5m of silicone tube, positioning strut and electronic housing).



Environmental Diagnosis

Solarimeters

CR 110 - SL 100/200

Portable or fixed installation
To control photovoltaic
and thermal installations
1 to 1,500 W/m²



Noise dosimeters

DS 200/300

For the measurement of noise exposure
at workstation

Detection and peak counting:
135 dB - 137 dB - 140 dB
Daily sound exposure level: Lex,d
Data processing software



Applicative standard
ISO 9612 : 2009



2003/10/CE
Directive



Luxmeters

LX 50/100/200

Light measurement

0.1 to 200,000 lux
0.01 to 18,585 fc
Data processing software



As per following standards
EN 12464-1 / EN 12464-2
EN 12193

Pin moisture meter

HM 50

Compatible with 4 types of materials:
wood, plaster, brick and concrete

Supplied with 2 extra pin sets and a
protective cap



Pressure - Humidity - Temperature - Air velocity - Airflow - Air quality - Solar - Light

Sensors Transmitters



Configurable outputs



RCR relay



Waterproof ABS housing



1 or 2 analogue outputs

Industry, service, food industry

- For air processing
- Dip switch, keypad and software configuration
- Power supply: 24 V / 115 V / 230 V
- Outputs: 4-20 mA/0-20 mA or 0-10 V/0-5 V



Class 210



Class 110

INNOVATION

Simplified calibration

Electronic board and measuring element connected to the front side of the sensor, which allows to configure and calibrate your device without causing any damage.



Sensors transmitters

Monostats

PST/HST/TST/COST/CO2ST

1 RCR relay

From ± 100 Pa to $\pm 2,000$ mbar
 From 5 to 95 %RH
 From -100 to +400°C
 CO: 0 to 500 ppm
 CO₂: 0 to 5,000 ppm



Class 110 - Monofunction

CP / HM / TH / TM / CTV / CR / LR / CO

1 or 2 analogue outputs

From ± 100 Pa to $\pm 2,000$ mbar
 Atmospheric pressure: 800 to 1,100 hPa
 From 5 to 95 %RH
 From -100 to +400°C

From 0 to 30 m/s
 From 0 to 1,500 W/m²
 From 0 to 10,000 lux
 CO: 0 to 500 ppm
 CO₂: 0 to 5,000 ppm



NEW

CO/CO₂ sensors

KIMO designed CO/CO₂ transmitters in order to meet with requirements of new norms and decrees on air quality.



Multifunction

Class 210

CP / TH / TM / CTV / COT

2 analogue outputs

Calculation functions

Automatic autozero

From ± 100 Pa to $\pm 2,000$ mbar
 From 5 to 95 %RH
 From -100 to +400°C
 From 0 to 30 m/s
 CO: 0 to 500 ppm
 CO₂: 0 to 5,000 ppm



SQR/3 option

Connected to DEBIMO measuring blades, CP 210 can calculate air velocity and airflow in a duct, from differential pressure.

Class 310 Multifunction

Pressure / Humidity / Temperature / Air Velocity / Airflow / CO / CO₂

NEW GENERATION

Multifunction sensor

C 310

- Display and measure 4 parameters simultaneously
- 3 Inputs for interchangeable probes
- RS485 Modbus
- 4 RCR relays
- Up to 4 analogue outputs
- 4 visual and audible alarms



Ethernet
Communication



OTSD310 MULTI-CHANNELS DISPLAY (optional)

Monitor and control Pressure, Temperature, Humidity, Air Flow and Air change rate

Channel	Value	Unit
Channel 1	- 0.8	Pa
Channel 2	23.4	°C
Channel 3	42.0	RH%
Channel 4	940	CFM
Channel 5	14	ACH

- slim and elegant Design
- Audible and Visible Alarms.
- Outputs diagnostic
- Touchscreen Display.
- can monitor and display up to 6 separate parameters.
- supports 3 rooms giving up to 6 separate parameters for each room.
- Calculate the rate of air change by inserting the size of the room in cubic feet through the following equation:

$$ACH = CFM \times 60 / \text{Room Size ft}^3$$



Ethernet
Communication



Interchangeable Probes

C 310 / CPE 310-S / CA 310

Pressure..... From 0-10 Pa to 10,000 Pa
 Humidity 0 to 100 %RH
 Temperature -50 to +180°C
 Air Velocity..... 0 to 35 m/s
 Airflow..... 0 to 99,999 m³/h
 CO 0 to 500 ppm
 CO₂ 0 to 5,000 ppm
 Current/Voltage..... 4-20 mA / 0-10 V

Easy Clip



Sensors transmitters


SPECIAL FOR CLEAN ROOM

Flush-mount


Multifunction pressure sensor

CPE 310-S

- 1 Input for interchangeable probes
- Front calibration
- 3 analogue outputs
- RS485 Modbus
- Range : ± 100 Pa
- 3 visual and audible alarms



Precise
Resolution



1 INPUT
for probe



Front connection for configuration and calibration



Multi-channel Display

Flush-mount ATE 300

Display 3 parameters alternatively, RS485 Modbus

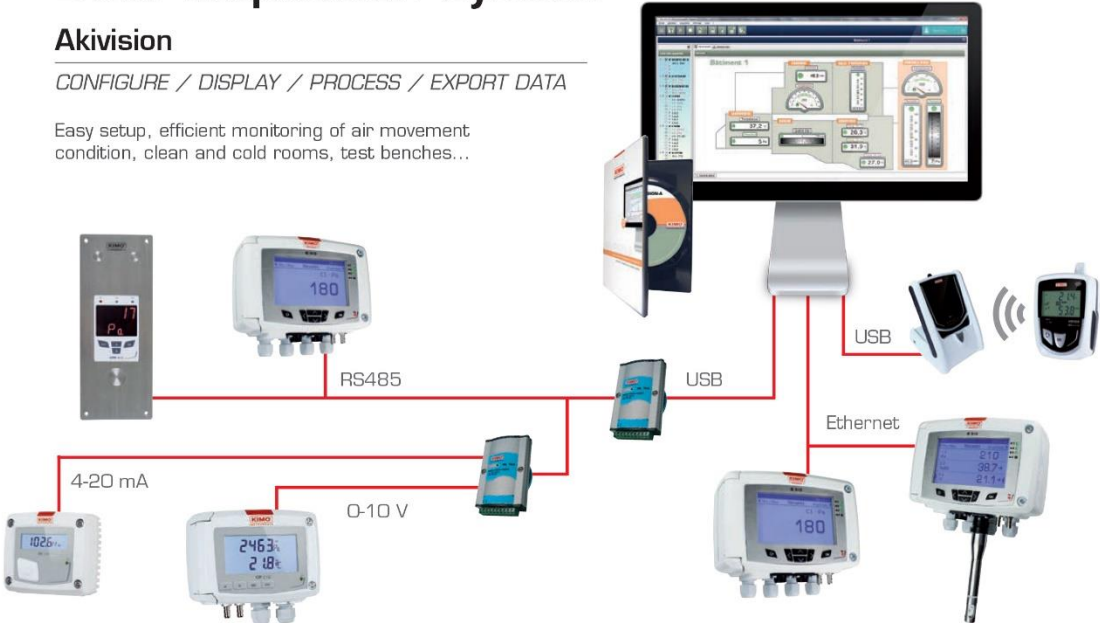


Data acquisition system

Akivision

CONFIGURE / DISPLAY / PROCESS / EXPORT DATA

Easy setup, efficient monitoring of air movement condition, clean and cold rooms, test benches...



Pressure - Humidity - Temperature

Calibration Benches

NEW

Pressure generator

GP 500

The pressure generator allows to adjust and calibrate measurement instruments in laboratory or on-site.

-2,500 to +2,500 Pa
-10,000 to +10,000 Pa

- 20 programs with adjustable generations
- Solid transport case
- Aluminium housing with adjustable carrying handle



NEW

Humidity generator

GH 500

Calibration of several instruments simultaneously
Multi-probe ventilated measuring chamber
Interchangeable regulating probe

From 10 to 85%RH



PROCESS MONITORING

Data loggers

Kistock

Temperature / Humidity / Pressure / Air quality / Light
Current / Voltage / Pulse / Water pressure



COMPACT
Class 20 / 50

Temperature

Class 20

- Without display
- Up to 8,192 points

Temperature and Humidity

Class 50

- 1-line display
- 16,000 points



USB
Class 120

Temperature and Humidity

- 1-line display
- 50,000 points
- Integrated USB connector



Mini size



Software PDF
integrated

Content

Softwares	04	Class 320	14
Key benefits	06	Probes and Accessories	18
Class 20 and 50	08	Wireless dataloggers	20
Class 120	10	Metrology	26
Class 220	12	Application example	27



P. 20 Find out about our wireless solutions



MULTI-FUNCTION Class 220

Temperature, Humidity, Water pressure, Light,
Current, Voltage, Pulse

- 2-line display or no display
- Interchangeable probes
- KILOG software
- 1,000,000 points



**2 programmable
alarm thresholds**



EXPERT Class 320

Temperature, Humidity, Pressure, Air quality
Atmospheric pressure, Current, Voltage, Pulse

- 2-lines display
- Smart interchangeable probes
- KILOG software
- 2,000,000 points



**Mobile
application**

Operating software

Kilog / Kilog-Lite / Kistock mobile



KILOG-Lite

Configuration / Visualisation

Kilog-Lite is compatible with the entire Kistock range with the exception of class 120. Simply configure and visualise the data from the loggers.

Download the software from our website:
www.kimo.fr/kilog



Kistock mobile

Configuration / Visualisation

Free application developed for smartphones and tablets*. Allows configuration of data loggers, data visualisation and exportation.



*Compatible with class 320



KILOG

Configuration / Processing

Data processing

The comprehensive Kilog data processing software helps configure, download and process data from your Kistocks.

- Data printing and export
- Graphic tools
- Calculated channels
- Management of Customers & Operators



Compatible with all classes



Customised report



Configuration

3-stage configuration of:

- Your device
- Your channels
- Your thresholds and alarms
- Your recording



Downloading

In 1 click, quickly download data from the Kistock or station.

- Automatic backup
- Campaign archiving



Processing

- Creation of tables and graphics
- Automatic calculations
- Addition of advanced calculation features
- Data export to a spreadsheet









KILOG CFR: Data security

The KILOG CFR software is the indispensable user application, with traceability subject to the strict requirements of the 21 CFR part11 regulation. The security and integrity of your data are protected against any manipulation or falsification.



Key benefits of the Kistock range

Energy performance

-  Temperature
°C/°F
-  Humidity
%RH
-  Differential pressure
Pa
-  Air quality
ppm
-  Light
lux
-  Current/voltage
mA/V
-  Water pressure
Pa
-  Atmospheric pressure
hPa



With the new range of Kistock stand-alone dataloggers and KILOG software, you can collect and analyse all the metrics of industrial climate control engineering processes, monitor the climatic environment of a chamber and respond to the traceability requirements of agri-food and pharmaceutical industries during transport.

To respond to this broad application scope, the range comes in 4 device classes, from the most compact to the most advanced, the objective being to provide a specific, reliable and effective solution to the constraints of every business.



Smart Plug technology

In addition to the measuring element, the new measuring sensors for class 320 (see page 14) are equipped with an electronic card so they can be identified by the datalogger as soon as they are connected, with no need for prior intervention or configuration.

This card also includes calibration data, which avoids having to return your entire configuration (sensor + logger) to the KIMO laboratories for recalibration or sensor replacement: your process remains under 24/7 surveillance.



Interface USB

The new class 120 Kistock devices provide data logging, on-board configuration and measurement reports.

Equipped with a USB connector, these portable dataloggers are quickly connected to a computer to directly download the data and publish it in a graphic report in PDF format. The integrated interface, exclusively available in this class, also enables the rapid and simple configuration of your devices.

Mobile application



Available for iOS or Android smartphones and tablets, the mobile Kistock helps configure, generate the measurement report and visualise data from the logger in real time (class 320 only, see page 14).

With a range of 10m via Bluetooth Low Energy connection, access to data is facilitated and avoids any breakdown in process control.



Free application



MINI

Compact

Class 20 and 50

Temperature / Humidity



With its compactness and 500-day battery life*, class 50 fits perfectly into chambers, cold storage rooms or refrigerated trucks for temperature and/or humidity measurement controls.

The casings are equipped with a large LCD display and a unique function button for intuitive use. The campaigns are conducted via the Kilog-Lite software which can be downloaded from kimo.fr.



Mini size



16,000
measurement
points



Standard
interchangeable
batteries



Magnetised
casing



A place for an
anti-theft device



USB connection



Kilog operating
software (option)



Kilog-lite
configuration
software



Ambient checkpoint

Mini temperature data loggers



KT 20 G

- -40 to +85°C
- 2048 points

KT 20 L

- -40 to +85°C
- 8192 points

KT 20 T

- 0 to +125°C
- 8192 points



Temperature / Humidity



KH 50

- 1-line display
- Internal sensor
- Battery life: 365 days*

Measuring range

-20 to +70°C
 5 to 95 %RH



KT 50

- 1-line display
- Internal sensor
- Battery life: 500 days*

Measuring range

-40 to +70°C



A 50% level of relative humidity preserves works of art, archives



IP65 casing, compliant with the standard required by the agri-food industry



Compatible with
KNT 320

Data collector, storage
and recovery
p. 18



1. A place for an anti-theft collar or lanyard
2. Battery compartment
3. Battery compartment locking indicator Invisible magnetic fastening
4. Invisible magnetic fastening
5. PC connection via 1-metre long USB cable (optional)

*For a recording rate of one point every 15 minutes at 25°C

USB

Portable

Class 120

Temperature / Humidity

Dedicated to transport, class 120 helps control the measurements inherent in the health regulations applicable to fresh produce and foodstuff (hot and cold) retail, warehousing and transport activities to preserve the quality of the products and guarantee safety for consumers.

The integrated software helps configure the devices and extract data directly in pdf format.



Integrated PDF software



2 programmable alarm thresholds



Magnetic fastening



50,000 measurement points



Integrated USB connector



Integrated adjusting certificate



The stakeholders of the different food chains must comply with the manufacturing, storage, transport and distribution temperatures determined by regulations or, in the absence of any regulation, with those determined by the packager, under their responsibility, specified during production, storage, transport and distribution. The use-by date of a product, determined by the manufacturer, takes these temperatures into account.



KH 120

- 1-line display
- USB connector
- Internal sensor
- Battery life: 500 days*

Measuring range

- °C -20 to +70°C
- %RH 5 to 95 %RH



KT 120

- 1-line display
- USB connector
- Internal sensor
- Battery life: 3 years*

Measuring range

- °C -40 to +70°C



Integrated PDF software

Exclusive to class 120, the integrated software automatically creates a PDF report.

- Configuration
- Download
- PDF report: statistics, configuration and alarms reminders, graphic display...



*For a recording rate of one point every 15 minutes at 25°C

FIELD

Multi-function

Class 220

Temperature / Humidity / Water pressure / Light
Current / Voltage / Pulse

The versatility of class 220 comes from the extension of the measurement parameters offering a broad range of applications. Thanks to the additional input for the connection of interchangeable sensors, the devices can simultaneously record up to 5 measuring channels.

Functional and adapted to the assessment of goods control and operating systems in warehouses, the range is easily mounted onto a wall and secured with a padlock or directly magnetically attached onto rack frames and other metal storage mounts. Once in place, the dataloggers can monitor the process for 4 years* without interruption or a battery change.



A place for an anti-theft device



1,000,000 measurement points



Kilog operating software (option)



Kilog-lite configuration software



Interchangeable probes



Magnetised KH 220 in the air conditioning room of an industrial facility



Relative humidity and temperature control in a maturing cellar using a KH 220 mounted onto a plate and secured with a padlock as part of a mapping process

Temperature / Humidity / Water pressure / Light
Current / Voltage / Pulse



KH 220

- 2-line display or no display
- Impermeability: IP65

Internal

- 🌡️ Temperature
-20 to +70°C
- ☁️ Humidity
5 to 95 %RH
- 💡 Light
0 to 10 000 lux
0 to 929 fc

External

- 🔌 Water pressure
0 to 20 bar
- ⚡ Current : 0/4 to 20 mA
Voltage : 0 to 10 V
Pulse : max 5 V



KT 220

- 2-line display or no display
- Impermeability: IP65

Internal

- 🌡️ Temperature
-40 to +70°C

External

- 🔌 Water pressure
0 to 20 bar
- ☁️ Humidity
5 to 95 %RH
- ⚡ Current : 0/4 to 20 mA
Voltage : 0 to 10 V
Pulse : max 5 V

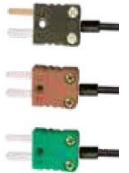


KTT 220

- 2-line display or no display
- 2 K, J, T, N and S thermocouple inputs

External

- 🌡️ Thermocouple temperature
- K -200 to +1300°C
- J -100 to +750°C
- T -200 to +400°C
- N -200 to +1300°C
- S 0 to +1760°C



NEW

Water pressure measurement with KH 220 and KSPE probe



KTT 220 equipped with two clipped thermocouple sensors to control the domestic hot water network (DHW), mounted onto a wall plate

* For a recording rate of one point every 15 minutes at 25°C

BLUETOOTH

Expert

Class 320

Temperature / Humidity / Pressure / Air quality / Atmospheric pressure
Current / Voltage / Pulse



Kimo has developed a new range of dataloggers specifically adapted to the needs of the industry and laboratories. Class 320 stands out with its connected object. Two features make your life easier: the smart-plug technology of the sensors and the mobile application.

The multi-parameter class 320 seamlessly fits into any process which requires the collection of several types of data on the same device. For example, the KCC 320 can record up to 4 parameters simultaneously: temperature, moisture level, CO2 level and atmospheric pressure.

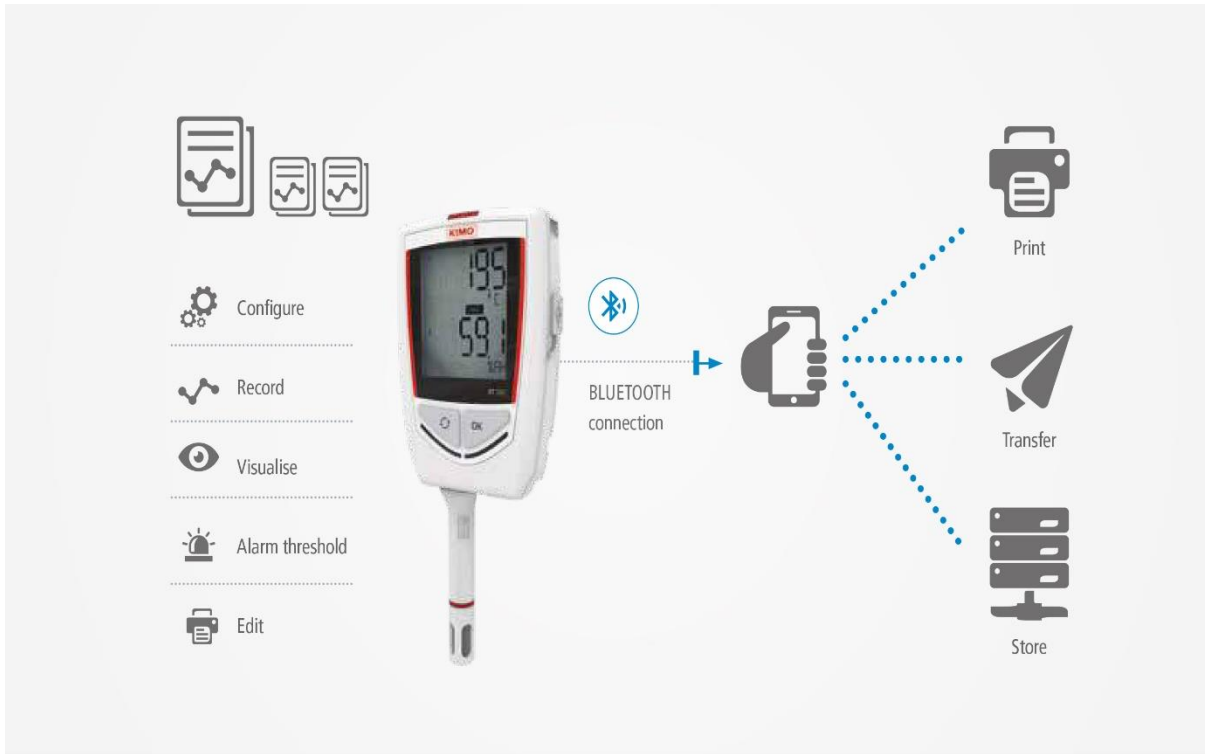
Made to last, class 320 has a battery life of up to 7 years and has a memory of 2,000,000 points.



Smart plug probes

All sensors for the KISTOCK KT 320 devices are equipped with the SMART PLUG technology.

Automatic recognition and storage of adjustment parameters means that they are 100% interchangeable.



A place for an anti-theft device



2,000,000 measurement points



Bluetooth connection



Kilog operating software (option)



Kilog-lite configuration software



Mobile application



Accessories

ABS wall socket + padlock: the easiest, most effective solution for securing your campaigns



Compatible with KNT 320

Navette de déchargement des données
p. 18

Expert

Class 320



2m long cable

KT 320

- 2-line display
- Impermeability: IP65
- Battery life: 7 years*

Internal

🌡️ Temperature
-40 to +70°C

External

☁️ Humidity
0 to 100 %RH

⚡ Current : 0/4 to 20 mA
Voltage : 0 to 10 V
Pulse : max 5 V



KTT 320

- 2-line display
- 4 K, J, T, N and S thermocouple inputs
- Impermeability: IP54
- Battery life: 7 years*

External

🌡️ Thermocouple temperature

K -200 to +1300°C

J -100 to +750°C

T -200 to +400°C

N -200 to +1300°C

S 0 to +1760°C



2 Smart Plug inputs

You can fit all types of class A 3-wire Pt 100 sensors onto your KT 320 thanks to the KICA-320



The KT 320 helps control the contamination of clean rooms

Temperature / Humidity / Pressure / Air quality / Atmospheric pressure
Current / Voltage / Pulse



KCC 320

- 2-line display
- Impermeability: IP40
- Battery life: 3 years*
- Confinement index in accordance with decree 2012-14

Internal

- Temperature
-20 to +70°C
- Humidity
0 to 100 %RH
- Atmospheric pressure
800 to 1100 hPa
- Air quality
0 to 5000 ppm



KPA 320

- 2-line display
- Impermeability: IP40
- Battery life: 7 years*

Internal

- Temperature
-20 to +70°C
- Humidity
0 to 100 %RH
- Atmospheric pressure
800 to 1100 hPa



KP 320/321

- 2-line display
- Impermeability: IP65
- Battery life: 7 years*

Internal

- Pressure
KP 320 : ± 1000 Pa
KP 321 : $\pm 10\ 000$ Pa



Control of climatic data from a data centre using the smartphone application



Industrial furnace temperature control

* For a recording rate of one point every 15 minutes at 25°C

Probes and accessories



Temperature probes

- NTC / Pt 100 and K, J, T, N and S Thermocouple
- General use / Environment
- Contact / Strip
- Pricking / Corkscrew
- Velcro / Piping



KICA 320

The KICA 320 is a Smart-Plug adapter for connecting any type of class A 3-wire Pt 100 sensor onto your KT 320.



Electricity / Water measurement

- Clamp-on ammeter: 0 to 600 A
- Voltage: 0-10 V
- Current: 0-20 mA
- Water pressure: 0 to 20 bar



Hygrometry probes

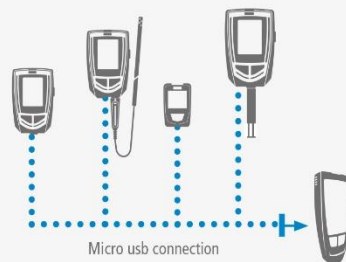
- 0 to 100 %RH
- Smart Plug technology
- ABS or Stainless steel sensor
- With or without the connection cable
- Cable length 2m

KNT 320 recovery and transport station

Compatible with the entire new Kistock range (with the exception of class 120), the KNT 320 station helps record measurements without having to move the instruments

Data can be processed via the Kilog software.

Memory: 20,000,000 points



COMPARISON



DEVICES / CHARACTERISTICS	COMPACT		NOMADE		FIELD			EXPERT					
	KT50	KH50	KT120	KH120	KT220	KH220	KTT220	KT320	KP320/321	KCC320	KPA320	KTT320	
Storage capacity number of points	16,000		50,000		1,000,000			2,000,000					
Internal	1	2	1	2	1	3	-	1	1	4	3	-	
External input	-	-	-	-	1	1	2	2	-	-	-	4	
Impermeability	IP65	IP40	IP65	IP40	IP65	IP40	IP54	IP65		IP40		IP54	
Internal sensor	yes						no	yes					no
Max no. of channels	1	2	1	2	3	5	2	5	1	4	3	4	
Temperature													
Humidity													
Air quality							2 inputs THERMOCOUPLE					4 inputs THERMOCOUPLE	
Pressure							K					K	
Light							J					J	
Current / Voltage Pulse							T					T	
Water pressure							N					N	
Atmospheric pressure							S					S	
Remote probes	no				Interchangeable probes			Smart plug smart probes					
Battery life	500 d*	365 d*	3 years*	500 d*		4 years*		7 years*		3 years*	7 years*		
Anti-theft device			-	-									
Magnetic fastening	yes												
Kilog-lite	free												
Kilog-PDF	no	yes		no									
Kilog	Comprehensive Kilog data processing software (Optional)												
Data Logger app Bluetooth®	no						yes						
Station Compatibility	yes	no		yes									



Certificates

Class 120 adjustment certificate integrated into the data logger's memory in pdf format

Calibration certificate available for the entire range upon request

* For a recording rate of one point every 15 minutes at 25°C

WIRELESS

Kistock RF

Radio data loggers

Temperature / Humidity / Pressure / Current
Voltage / Pulse



The advantage of the range of wireless data loggers is the remote and real-time control of your process or storage area and guaranteed traceability via the KILOG RF software

Capable of storing 12,000 to 20,000 temperature, humidity, pressure, current, voltage and pulse measurement points, the KISTOCK-RF devices

guarantee precise monitoring of the process for the users, over a predefined or continuous period.

Supplied as a standard feature, the KILOG-RF software facilitates the configuration of the data loggers (thresholds, alarms, smoothing, interval, periodicity, etc.) and the processing of the data collected in graphic or table mode.



Monitoring your process

1

Communication base
BK-RF

Communicate with your KISTOCK dataloggers over the airwaves



2

Temperature data logger
KH 210-RF

Control the temperature and humidity of your storage areas



3

Range extender
KPR / KPE

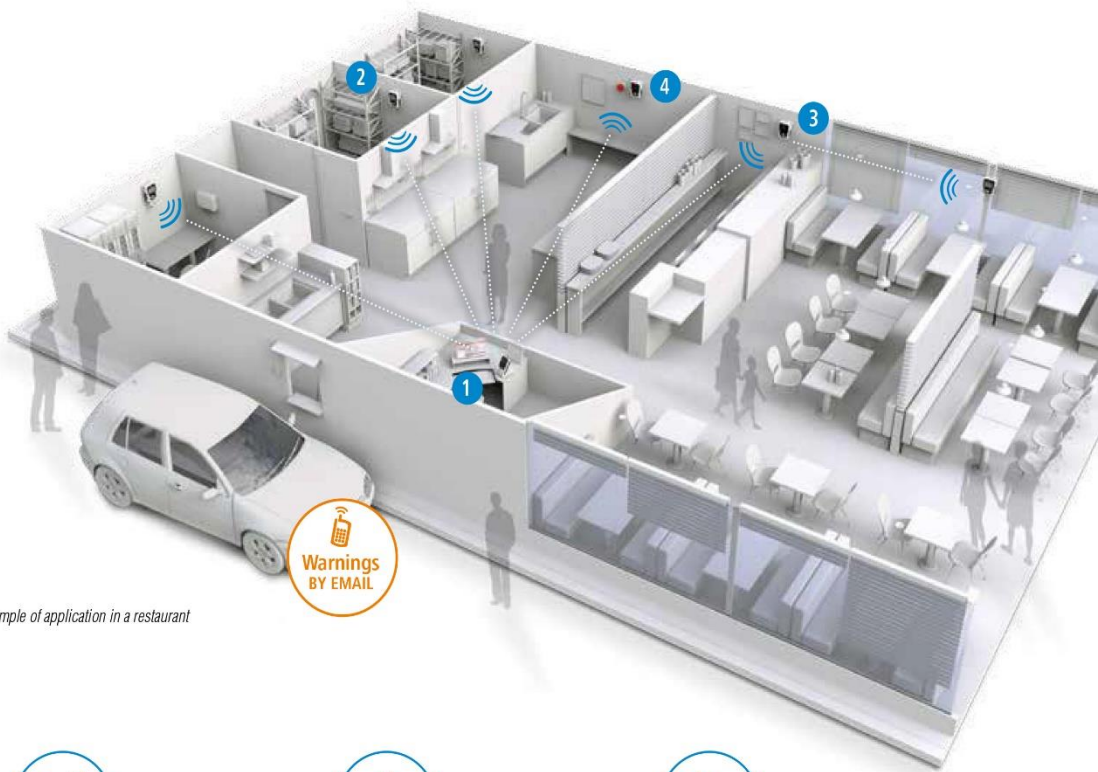
Extend the scope of your network with radio and Ethernet extenders



4

Alarm module with relay
KAL

Be alerted every time a threshold is exceeded



Example of application in a restaurant



Network
up to 100 devices



Battery life
up to 3 years



Online
configuration



Magnetic
fastening



Real-time
monitoring mode



Up to 20,000
measurement
points

Kistock RF

Radio data loggers



KT 110-RF

- 2-line display or no display
- Impermeability: IP65
- Memory 16,000 points
- Battery life 3 years*

Internal

🌡️ Temperature
-40 to +70°C

External

🌡️ Temperature
-40 to +120°C

⚡ Current : 0/4 to 20 mA
Voltage : 0 to 10 V
Pulse : max 5 V

KT 150-RF

- 1-line display or no display
- Impermeability: IP65
- Memory 12,000 points
- Battery life 3 years*

Internal

🌡️ Temperature
-40 to +70°C



KP 110-RF

- 1-line display or no display
- Impermeability: IP65
- Memory 12,000 points
- Battery life 3 years*

Internal

🌡️ Pressure
KP 110 : ±1,000 Pa
KP 111 : ±10,000 Pa



Temperature / Humidity / Pressure / Current / Voltage / Pulse



KTU 210-RF

- 2-line display or no display
- Impermeability: IP65
- Memory 20,000 points
- Battery life 3 years*

External

- ⚡ Current : 0/4 to 20 mA
- Voltage : 0 to 10 V
- Pulse : max 5 V

KH 210-RF

- 2-line display or no display
- Impermeability: IP65
- Memory 20,000 points
- Battery life 3 years*

Internal

- 🌡️ Temperature
-20 to +70°C
- ☁️ Humidity
5 to 95 %RH

External

- 🌡️ Temperature
-40 to +120°C
- ⚡ Current : 0/4 to 20 mA
- Voltage : 0 to 10 V
- Pulse : max 5 V



* For a recording rate of one point every 15 minutes at 20°C

Kistock RF

Radio data loggers



KTR 310-RF

- 2-line display
- Impermeability: IP65
- Memory 20,000 points
- Battery life 3 years*

External

Temperature
-100 to +400°C



KTT 310-RF

- 2-line display
- 2 K, J, T and S thermocouple inputs
- Impermeability: IP54

External

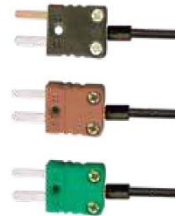
Thermocouple
temperature

K -200 to +1,300°C

J -100 to +750°C

T -200 to +400°C

S 0 to +1,760°C



* For a recording rate of one point every 15 minutes at 20°C

Kistock RF

Software and accessories



KILOG-RF

Logiciel pour Kistock-RF

The KILOG-RF data processing software is specifically designed for the KISTOCK wireless range. It enables the implementation of a network of wireless KISTOCK devices (up to 100) for real-time monitoring mode.

- Measurement correction
- Data printing and export
- Graphic tools
- Calculated channels
- Management of Customers & Operators



Communication base
radiofrequency
BK-RF-2



Wall mounting
with an anti-theft system
KAV-RF



Data recovery
and transfer station
KNT 310



Alarm module
with relay
KAL-RF



Network extender
radio and Ethernet
KPE-RF and KPR-RF



Communication
tester
KTC-RF

Metrology & Laboratories

Verify / Adjust / Calibrate



Metrology

- For 100% reliable measurements
- All brands of instruments

For measurement instruments, calibration is a way to verify that the device is working correctly. To do this, standards are used and checked against national standards via COFRAC calibration certificates.

After every calibration service, you will be given a KIMO calibration certificate ensuring that our standards are checked against the national standards of accredited bodies such as COFRAC in France or DKD in Germany.



**Calibration
and adjustment**

1,500 m2 of laboratories

- Temperature
- Hygrometry
- Air velocity
- Air flow
- Pressure
- Gas analysis
- Acoustics
- Weighing
- Radiometry
- Tachometry
- Light measurement
- Electricity



**Hotline
Attentive to your needs**

Before returning any equipment, our telephone technical support service helps you save time by giving you a rapid and effective solution (start-up, installation, malfunction).

Our experienced technicians will deal with your request in a professional manner.



Thermometry laboratory

KIMO proposes COFRAC calibrations for all types of thermometer (chain, Pt100 and thermocouple), within a range of -70°C to +200°C in ovens or baths.



Hygrometry laboratory

KIMO proposes COFRAC calibrations for all types of moisture meters within a range of 5% to 95%RH for a dry-bulb temperature of +10°C to +50°C.



TEMPERATURE MAPPING



Pharmaceutical warehouse



Climatic conditions
+20°C ±5°C



100,000 m³ characterisation volume



Equipment

26 KT 320 data loggers , including 1 installed outside. KILOG software to configure and process data.

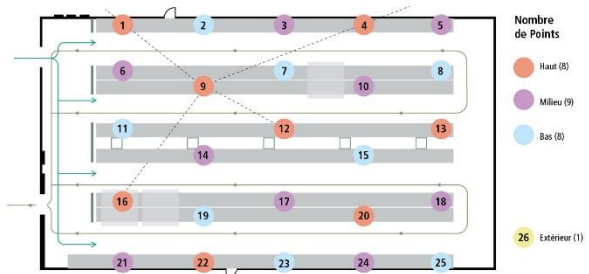
Warehouse / Laboratory Pharmacy / Chamber / Transport

The NF EN 60068-3 standard* ensure the sustainability of products sensitive to temperature and relative humidity.

*NF EN 60068-3 standard

- Measurement of the temperature and relative humidity of the air
- Climatic and thermostatic chambers
- Characterisation and deviation from target

Mapping a drug warehouse in accordance with the NF EN 60068-3 standard under temperature and relative humidity conditions of 20° ± 5°C.



Report

A report should be issued featuring the gross values, calculated parameters (deviation from target, stability, homogeneity) and compliance of the chamber or building with the specified tolerances.



AIR CONDITIONING

Managing condensate



Pump selection chart














Condensate Pump Finder

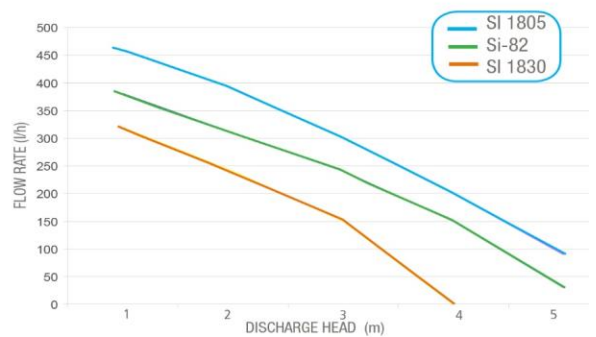
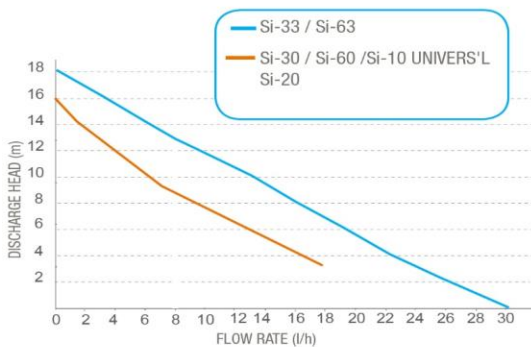
The Right Pump is Just Clicks Away






	Equipment							Location				
	Wall mounted	Cassette	Multi cassette	Conditioning cabinet	Floor standing	Ducted unit	Suspended ceiling unit	Inside the unit	Inside ducting	Wall mounted	Floor mounted	False ceiling
p.3  OMEGA PACK	x									x		
p.3  Si-20	x						x	x				
p.4  DELTA PACK	x								x			
p.4  Si-10 UNIVERS'L		x			x		x	x				x
p.5  Si-30 Si-33	x				x		x					x
p.6  Si-60				x	x	x		x				x
p.7  Si-82			x	x			x				x	x
p.8  SI 1805				x			x				x	x
p.8  SI 1830			x	x		x	x	x			x	x
p.9  SI 2052		x				x	x	x				
p.10  PE5000 PE5100 PE5200	x	x										x

Actual flow rates



OMEGA PACK

The under the unit pack

For mini-split air conditioning

Ref :

RAL 9010 : OP20CE01UN23

RAL 9003 : OP20CE02UN23



Easy installation

Complete installation kit with pre-mounted pieces.



Reliability

The Drain Safe Device included to prolong the life of the pump.



Operation level

Anti-vibration rubber dampers.



Installation video

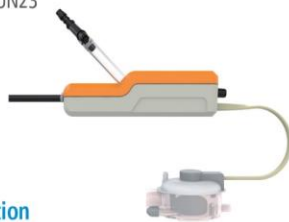
Kit contents

Si-20 piston pump with detection unit (0.63 m cable), 2 anti-vibration rubber dampers, clear pvc tubing int. Ø 6 mm fitted with a drain safe device - Power cable 1.5m (2 power wires, 2 safety wires)- Shell (2-part: backplate & cover) - Screws & plugs for affixing backplate 90° rubber elbow Ø int.15 mm x L 152 mm - Vent tube - 3 Double Wire Clamps - 3 Tie Wraps.

Piston pump

For wall mounted and floor standing units

Ref : SI20CE01UN23



Easy installation

Slim design. Rubber damper : allows the pump to be put directly inside the unit.

Installation video



Technical specifications

	SI-20
Maximum flow-rate	20 l/h
Maximum discharge head	10 m (flow rate= 4 l/h)
Pump sound level @ 1 m	22 dBA
Detection levels (mm)	ON : 16, OFF: 11, Safety : 19
Mains supply	230 V ~ 50 Hz 14 W
Thermal protection	115°C (auto-reset)
Protection	IP20

*To EN ISO 3744. LNE measurement, on pump running with water, out of application.

DELTA PACK

Piston pump and trunking system

For wall-mounted air-conditioning units

Ref : 80x50 mm white RAL 9010 : DP10CE01UN23
80x60 mm cream RAL 9001 : DP10CE02UN23
80x60 mm white RAL 9003 : DP10CE04UN23



Complete system

Pump and trunking kit for a quick and easy solution.



Multiple choice

80x50mm or 80x60mm, white or cream. Can be mounted to either side of the air conditioning unit.



Operation level

High energy absorbing foam inside the elbow, anti-vibration insulation.



Installation video

Kit contents : Si-10 UNIVERS'L pump – 1 m long discharge pipe with foam insulation and "Drain-Safe Device" connector - Lockable, plug-in 1.5 m cable with NC safety contact wire – 2-part elbow (base and cover) – 750 mm duct with Elbow/Duct and Elbow/Split joiners - Ceiling fitting - 0.5 m long flexible hose for connection to split - Vent pipe - 6 fixing plugs and screws - 2 hose clips.

Si-10 UNIVERS'L

Replacement pump for trunking corner pieces

For wall-mounted air-conditioning units

Ref : SI10CE03UN23



Universal

Replacement pump for the majority of pump in trunking systems.



Technical specifications

	SI- 10 UNIVERS'L
Maximum flow-rate	20 l/h
Maximum discharge head	10 m (flow rate= 4 l/h)
Pump sound level @ 1 m	22 dBA
Detection levels (mm)	ON: 16, OFF: 11, Safety : 19
Mains supply	230 V ~ 50 Hz 14 W
Thermal protection	115°C (auto-reset)
Protection	IPX4

*at 1m according to EN ISO3744

Si-30 / Si-33

Mini pumps with float detection

For air conditioning systems

Ref : SI30 : SI30CE01UN23 / Si-33 : SI33CE01UN23



Manufactured for purpose

The patented Sauermann technology is designed specifically for discharging contaminated condensates produced by air-conditioning systems. 100% operating cycle.



Reliable

No risk of siphoning, due to the pre-installed Drain-Safe Device.



Versatile installation

The three way mounting bracket gives the installer flexibility when siting the pump and can be fixed to the wall, pipework or ceiling suspended.



Installation video

Kit contents

Pump - Transparent PVC tube int. Ø 6 mm L 1 m, fitted with "Drain-Safe Device" connector - Anti-vibration mounting bracket - Lockable, plug-in 1.5 m cable with NC safety contact wire - 6 cable ties - Detection block (SI 2958) with installation kit: 90° connector int. Ø 15 mm x L 60 mm, vent pipe, mounting rail, adhesive.

Si-30 Detect+

High performance pump and electronic detection unit

Ref : SI30CE04UN23



Double Patented:
Piston technology and probes system



Resistant to particles

Si-30 : can replace SI3080, SI3100, SI3200
Si-33 : can replace SI1730

Technical specifications

	Si-30	Si-33
Maximum flow-rate	20 l/h	30 l/h
Maximum suction height	3 m	4 m
Maximum discharge head	10 m (flow rate = 4 l/h)	> 13 m (flow rate = 8 l/h)
Pump sound level @ 1 m	20 dBA	34 dBA
Detection levels (mm)	ON : 16, OFF: 11, Safety : 19	
Mains supply	230 V ~ 50 Hz 14W	230 V ~ 50 Hz 21 W
Protection	IP20	

*To EN ISO 3744. LNE measurement, on pump running with water, out of application.

Si-60 / Si-63

Piston pump with 0.37 L tank

For ducted air conditioning systems

Ref : SI60CE01UN23



Lockable cable

Twist lock power cable for a secure connection



Innovative detection

Integrated float detection system reliable in all types of environment.



Multi Purpose

Top and bottom inlet. Can be semi-submersed in a condensate drain pan.



Kit contents

Pump - Lockable, plug-in 1.5 m cable with NC safety contact wire - Installation kit: adapter int. Ø 15-20-24-32-40 mm, rubber 90° connector int. Ø 15 mm × L 60 mm, plastic 90° connector for 6 mm int. Ø flexible tube, 1 off 2.5 × 100 mm cable tie.

Technical specifications

	SI-60
Maximum flow-rate	20 l/h
Maximum discharge head	10 m (flow rate = 4 l/h)
Pump sound level @ 1 m	< 38 dBA
Detection levels (mm)	ON : 28, OFF : 24, Safety : 35
Mains supply	230 V ~ 50 Hz 14 W
Protection	IPX4

* To EN ISO 3744. LNE measurement, on pump running with water, out of application.

PE 5000 / PE 5100 PE 5200

Peristaltic pumps

For air conditioning applications up to 8 kW

Ref : PE5000 : PE5000SIUN23

PE5100 : PE5100SIUN23

PE5200 : PE5200SIUN23



PE 5000



PE 5100



PE 5200



Easy maintenance

Quick fit replacement head and tubes.



3 detection systems

PE 5000 : compressor signal

PE 5100 : temperature differential sensors

PE 5200 : float detection unit

Kit contents

Pump - Cable: 1.7 m, including 2 wires for power supply (P & N), 1 wire for compressor signal - Easy «1 screw» sliding plastic bracket - Ø 15 mm to Ø 6 mm adaptor + pale yellow rubber Ø 15 x 35mm (PE5003)

Additional kit for PE 5100 : 2 thermal probes with 3.5m cable: Red cap for ambient air. Blue cap for fresh air.

Additional kit for PE 5200 : detection unit (SI2958, 1.5m cable) - Detection unit installation kit : Pale yellow rubber (Ø 15 x 35mm). Vent tube Øint 4 x L 75 mm. Mounting rail. Adhesive.

Technical specifications

	PE 5000 / PE 5100 / PE 5200
Maximum flow-rate	6 l/h
Maximum discharge head	2 m
Pump sound level @ 1 m	≤ 30 dBA
Detection levels (mm)	ON : 16, OFF: 11, Safety: 19
Mains supply	230 V~ 50/60 Hz -75 W
Protection	IP65

* To EN ISO 3744. LNE measurement, on pump running with water, out of application.

Si-82

Centrifugal pump with 2 l tank

For cassette and fan coil air-conditioning systems.

Ref : SI82CE01UN23



Plug in power cable

Easy to maintain and replace.



Versatile installation

Provides installer flexibility when fitting the pump. Can be fixed to the wall, flat surface or ceiling suspended.



Easy hydraulic connection

4 inlet holes Ø 30 mm. Reversible tank.



Kit contents

One-piece centrifugal pump - Tank (2 l) - Built-in 10 mm ext. Ø non-return valve - Plug-in cable: power (2 m, European IEC socket) and safety contact (1.5 m, bared wires) – Straight connector ext. Ø 10 mm / ext. Ø 6 mm; 2 plugs + 2 screws.

Technical specifications

	SI-82
Maximum flow-rate	500 l/h
Maximum discharge head	5 m (flow rate 50l/h)
Pump sound level @ 1 m	< 45 dBA
Detection levels (mm)	ON : 53, OFF : 42, Safety: 64
Mains supply	230 V ~ 50/60 Hz - 70 W
Protection	IP20

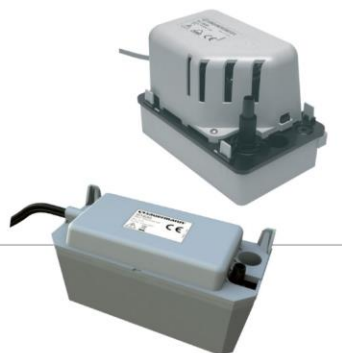
* To EN ISO 3744. LNE measurement, on pump running with water, out of application.

SI 1805 / SI 1830

Centrifugal pumps with 0.5 l tank

For cassette and fan coil air-conditioning systems

Ref : SI 1805 : SI1805SIUN23
SI 1830 : SI1830SCUN23



High performance

Capable of discharging high volume of condensates evacuated per hour.



Compact

Compact design that can be sited in confined spaces.



Installation in any location

SI 1805 : compact design
SI 1830 : can be installed without the tank.



Kit contents

SI 1805 : Pump - 2 screws - 2 plugs - Power cable: 2 m, European IEC plug; safety contact cable: 1 m, 2 wires (NC contact).

SI 1830 : Pump with 0.5 l tank - Power cable: 1.5 m, European IEC plug; safety contact cable: 1 m, 2 wires (NC contact) - Installation kit: 2 screws + 2 plugs, 5 m of transparent PVC hose 10 mm int. Ø, flexible adapter 15-24-32-40 mm Ø.

Dimensions

SI 1805 : L 195 x W 130 x H 132 mm
SI 1830 : L 190 x W 80 x H 100 mm

Technical specifications

	SI 1805	SI 1830
Maximum flow-rate	500 l/h	400 l/h
Maximum discharge head	5,4m	3,7 m
Pump sound level @ 1 m	≤ 47 dBA	≤ 43 dBA
Detection levels (mm)	ON : 27, OFF: 21, Safety : 32	ON : 32, OFF : 25, Safety: 39
Mains supply	230 V~ 50/60 Hz -90 W	230 V~ 50/60 Hz -75 W
Protection	IP20	IPX4

* To EN ISO 3744. LNE measurement, on pump running with water, out of application.

Si-2052

Centrifugal lift pump

For cassette air conditioning systems

Ref : SI2052SIUN23



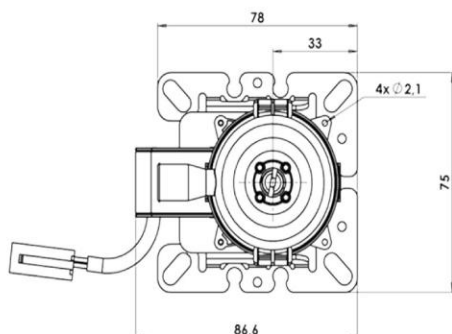
Replacement

Can be used as a replacement pump for most cassette systems.



Kit contents

Centrifugal pump – 250 mm overmoulded cable – 850 mm cable with hard-wired connector - Detector (DET01550, 900 mm cable) + stainless-steel fixing screw.



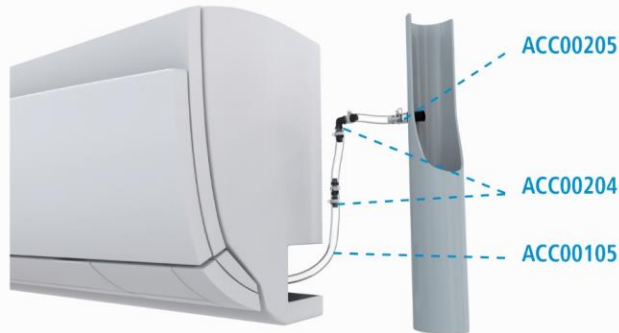
Technical specifications

SI 2052

Maximum flow-rate	100 l/h at 200mm
Maximum discharge head	0.9 m (24l/h)
Pump sound level @ 1 m	≤ 30 dBA
Detection levels (mm)	Safety : 18
Mains supply	230 V ~ 50/60 Hz - 14 W

* To EN ISO 3744. LNE measurement, on pump running with water, out of application.

ACCESSORIES



Pump Discharge Hoses



Double wire clamp

This double wire clamps are used to ensure safe connection between connectors and clear PVC tube
 ACC000912 : for clear PVC tube Ø 6 mm (1/4") ACC000916 : for braided PVC tube Ø 6 mm (1/4")
 ACC000913 : for clear PVC tube Ø 10 mm (3/8") ACC000917 : for braided PVC tube Ø 10 mm (3/8")



Pump Discharge Hose Ø 6 mm

ACC00909 : 5 m - ACC00910 : 50 m - ACC00914 : reinforced, 50 m
 Clear PVC tubing for connecting the pump to the discharge outlet i.d. 6 mm (1/4")



Pump Discharge Hose Ø 10 mm

ACC00911 : 25 m - ACC00915 : reinforced, 25 m
 Clear PVC tubing for connecting the pump to the discharge outlet i.d. 10 mm (3/8")

Connectors



Straight connectors

ACC00901 : for Ø 6 mm hose - ACC00902 : for Ø 10 mm hose
 Straight and elbow connectors for connecting hoses together.



Elbow connectors

ACC00904 : for Ø 6 mm hose - ACC00905 : for Ø 10 mm hose
 Straight and elbow connectors for connecting hoses together. 5 straight, and 5 elbow connector pieces per package.



T-Connector

ACC00902 : Ø 6 mm ACC00903 : Ø 10 mm
 To make the connection between 3 tubes.



Self Sealing Fittings

ACC00919 : for use with Ø 6 mm tubing ACC00920 : for use with Ø 10 mm tubing.
 Self sealing fittings for condensate discharge tubing.

Spare Parts



Detection unit

SI2958-003
 For replacing the detection unit when necessary
 Inlet : Ø 15mm int. Outlet: Ø 6 mm int. (1/4"). For pumps with detection unit.



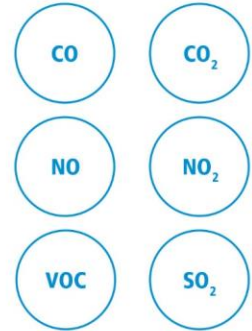
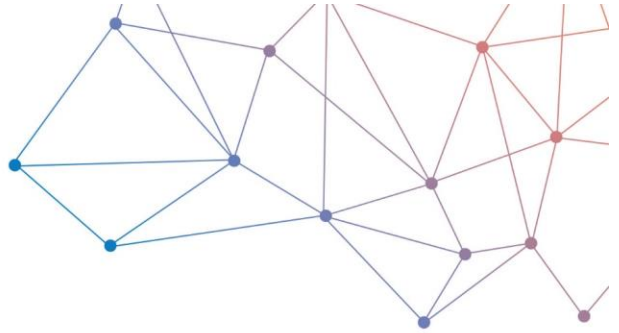
Non-return valve

ACC00925
 For replacing the non-return valve when necessary in SI-82, SI 1805, SI 1830.



Replacement tube

PE5002
 Replacement tube of the peristaltic pumps.



INDOOR AIR QUALITY MONITORS

Sauerermann Portable Indoor Air Quality Monitoring System





Indoor air quality monitors

Sauermann Portable Indoor Air Quality Monitoring System

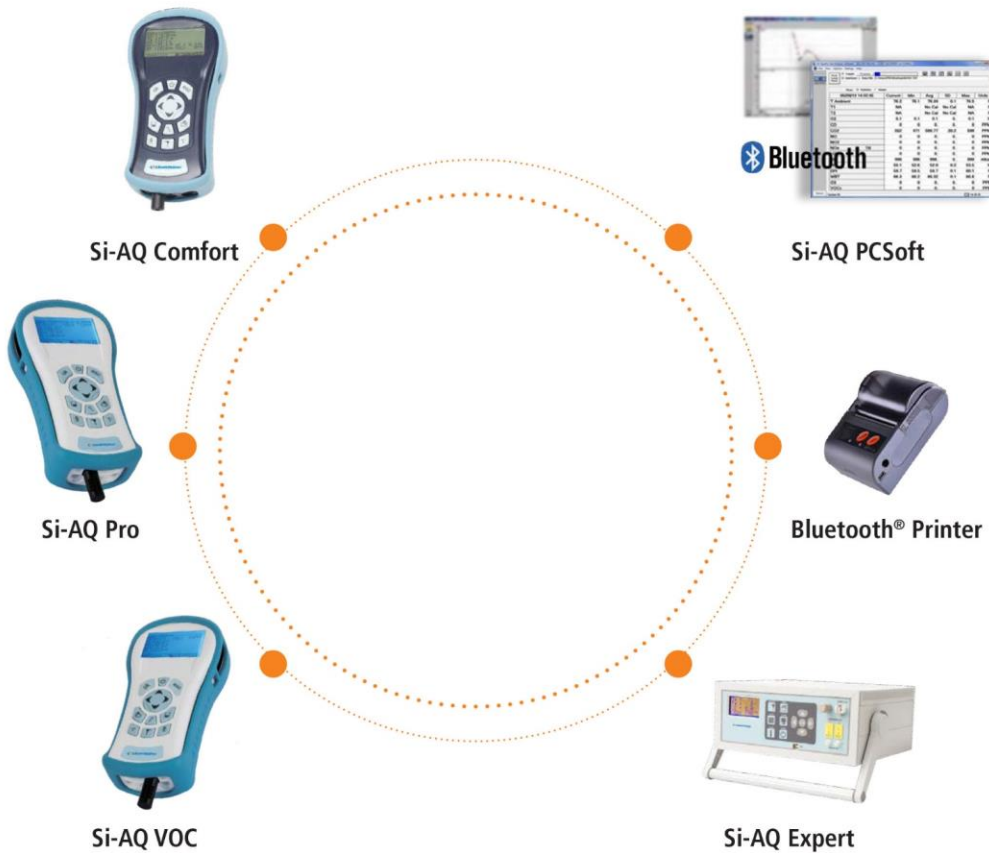
The Sauermann Group has developed a series of four different portable indoor air quality monitoring instruments that offer all the functionality a professional air quality technician needs.

- **Si-AQ Comfort:** Entry-level model IAQ monitor for measurement of CO₂, CO, temperature and relative humidity IAQ
- **Si-AQ VOC:** Expandable, handheld monitor for detection of Volatile Organic Compounds (VOCs) and harmful gasses
- **Si-AQ Expert:** Portable IAQ Monitor with up to 7 gases sensors for testing indoor air quality in warehouses, office buildings, and other industrial settings
- **Si-AQ Pro:** Handheld instrument for testing indoor air quality in homes, offices and other light industrial settings



Product overview

Si-AQ monitors



By offering Indoor Air Quality (IAQ) professionals the ability to custom tailor their IAQ Monitors to meet their own specific requirements. Build your Indoor Air Quality monitor to detect for anywhere from one gas measurement (CO₂ only) up to seven total gas sensors in a single IAQ Monitor.

Technical information

Si-AQ monitors



Si-AQ Comfort



Si-AQ Pro



Si-AQ VOC



Si-AQ Expert

% Relative Humidity, Dew Point, Wet Bulb	Optional	✓	✓	✓
Ambient Temperature Measurement	✓	✓	✓	✓
Differential Pressure Measurement	✓	✓	✓	✓
Barometric Pressure Measurement	Optional	✓	✓	✓
Real-Time Data Logging Software	Optional	✓	✓	✓
Continuous Sampling Pump	✓	✓	✓	✓
Internal Memory	2,000 Tests	2,000 Tests	2,000 Tests	2,000 Tests
Wireless Bluetooth® Printer	Optional	Optional	Optional	Optional

Gas Sensor Options

Upgradeable: Includes Up to Three (3) Gas Sensors	-	✓	✓	-
Upgradeable: Includes Up to Seven (7) Gas Sensors	-	-	-	✓
O ₂ (0 - 25 %)	-	Optional	Optional	Optional
CO ₂ (0 - 5,000 ppm)	✓	Optional	Optional	Optional
CO (0 - 200 ppm)	Optional	Optional	Optional	Optional
H ₂ S (0 - 100 ppm)	-	Optional	Optional	Optional
TVOC's (0 - 20,00 ppb OR 0 - 200 ppm)	-	-	✓	Optional
Formaldehyde (0 - 10,000 ppb)	-	Optional	Optional	Optional
NO (0 - 250 ppm)	-	Optional	Optional	Optional
NO ₂ (0 - 20 ppm)	-	Optional	Optional	Optional
SO ₂ (0 - 20 ppm)	-	Optional	Optional	Optional
O ₃ (Ozone: 0 - 5 ppm)	-	-	-	Optional

* CO, CO₂, Temp & %RH Only

* Add Up to 3 Gas Sensors

* TVOC Sensor Included, Add Up to 2 More Gas Sensors

* Add Up to 7 Total Gas Sensors

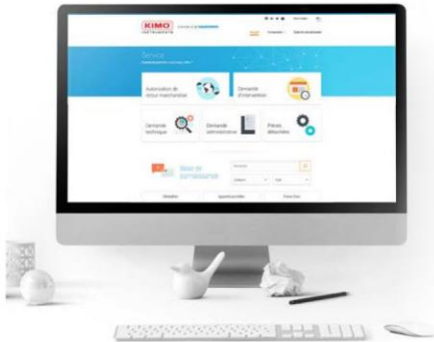
No matter what industry you work in, Sauermann IAQ Monitors deliver the data you need to get the job done:

- Industrial Hygiene
- Environmental Health and Safety (EH&S)
- Indoor Air Quality Specialists
- Universities
- Laboratory and Research
- Incubators
- Volatile Organic Gases (VOC) Monitoring
- Medical and Hospitals
- Mining/Confined Spaces
- Warehouse Safety
- Optimization: Emissions and Air Quality Issues
- Greenhouses
- Building Inspections/Architect/ Building Development
- Energy Auditing
- Fugitive Emissions
- General IAQ



Services

Calibration / Hotline / Maintenance



Customer service portal

For any repair, calibration or device feedback requests, log in to our Customer Service Portal.



Accessible
24/7



Fast and
easy-to-use



Follow-up in
real time

<http://kimo-en.custhelp.com>



To complement our range of measuring instruments, a team of more than 40 people offers a wide range of services, such as calibration and adjustments, after-sales support, hotline, on-site services and training.

Our team of experts will accompany you throughout your project and will adapt to your needs thanks to more than 40 years of experience and our sophisticated laboratory equipment.



Calibration and
adjustments



After-sales
services



Hotline



On-site services



Training

Our laboratories, spanning over 1,500 m², allow us to offer you all kinds of metrological services related to:

- Temperature
- Humidity
- Air velocity
- Air flow
- Pressure
- Combustion
- Weighing
- Radiometry
- Tachometry
- Light measurement
- Electrical current



Combustion Gas Analyser



New 2015
KIGAZ 50
see page 5



SOLUTION

FOR ANY TYPE OF BOILER UP TO 400 kW

We have developed a new range of combustion gas analysers, which fulfil all the needs of heating professionals.

Our analysers are scalable and offer many solutions for any type of boiler up to 400 kW, to control pollutant emissions.



Operating software

LIGAZ

FREE Software

Record your customers, boilers and measurements records.
Download your datasets and the programme will automatically fill in the measurement report.

LOGAZ

Optional software

Easy reading of measurement reports.
Customize, print and export your files.
Organize your agenda, maintenance contracts, clients follow-up.
Display and recording of measurements in real-time.

Class 300 & 200

Up to **4**
interchangeable
sensors

KIGAZ 300



O_2 / CO - H_2 / CH_4 / NO / NO_2 / SO_2
sensors
in standard or option



Integrated
Water trap

Any type
of boiler



Vocal
Help

Autozero
in the flue



CO
Dilution

Customized procedures
CO dilution
Simplified water discharge
Optional: probe up to 1000°C

O_2 , CO (H_2 compensation), Flue gas temperature,
Ambient temperature, Dew point temperature, Draft,
Differential pressure, Losses, Flue gas velocity, Excess
air, Efficiency (condensation), Dilution, CH_4

KIGAZ 200

Up to **3**
interchangeable
sensors

Interchangeable
 O_2 / CO - H_2 / NO / CH_4
sensors



Autozero
in the flue

Integrated
printer



Reports
printing

Interchangeable probe
Customized procedure
Up to 12 measurements displayed simultaneously

O_2 & CO (H_2 compensation)
Flue gas temperature & velocity
Ambient temperature
Differential pressure
Losses, Excess air, Efficiency (condensation)



Class 100, 150 & 50



KIGAZ 100

2
interchangeable
sensors

O₂ / CO-H₂
sensors



Protection of sensors by
pump stopping

Integrated
printer



Protective cover
with magnet

Step by step procedure
Self-test menu

O₂ flue gas, CO flue gas, CO₂ flue gas, ambient CO max
Flue gas temperature
Ambient temperature
Differential pressure & Pressure draft
Losses & Excess air

KIGAZ 150

2
interchangeable
sensors

O₂ / CO-H₂
sensors



Protection of sensors by pump
stopping with treshold

External
printer (option)



Protective cover
with magnet

Step by step procedure
Self-test menu

O₂ flue gas, CO flue gas, CO₂ flue gas, ambient CO max
Flue gas temperature
Ambient temperature
Differential pressure & Pressure draft
Losses & Excess air / Efficiency up to 120%



External printer
(option for KIGAZ 50 and 150)



Protective cover with magnet
(supplied with KIGAZ 150, and
option for KIGAZ 50)



NEW

KIGAZ 50

2 sensors

O₂ flue gas, CO flue gas,
CO₂ flue gas, ambient CO max
Flue gas temperature
Ambient temperature
Differential pressure
Pressure draft
Losses & Excess air



O₂ / CO
Sensors



External
printer (option)



Autozero
30 seconds

Additional measurements



Gas detection

FG 110

Gas leak detector
Detection of gas such as methane (CH₄), LPG (isopropanol and isobutane) and other combustible gases (hydrocarbons)



Gas network

MP 130

Gas tightness special manometer
for gas network
±500 mbar



Ambient CO

CO 50/110

CO and CO max measurement
From 0 to 500 ppm
From -20 to +80°C



Refrigerant gases

DF 110

Detector of refrigerant gases and
hydrogen (HFC, HCFC, Nidron 5...)
Visual and audible alarm
Manual and automatic self-calibration

OUR CLIENTS



EVENTS



2018



HQ Trd. IN HVAC R EXPO SAUDI

Haitham M Qadi Trading Establishment's
participation in HVAC R EXPO SAUDI exhibition
Jan 2018 - Jeddah

2017



HQ Trd. IN HVAC R EXPO SAUDI

شاركت مؤسسة هيثم مصطفى قاضي التجارية
في معرض HVAC R EXPO SAUDI
في مدينة جدة من 15 إلى 17 يناير في عام 2017

2019



HQ Trd. IN HVAC R EXPO SAUDI

شاركت مؤسسة هيثم مصطفى قاضي التجارية
في معرض HVAC R EXPO SAUDI
في مدينة الرياض من 28 إلى 30 يناير في عام 2019



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For more information

