KIMO®
INSTRUMENTS

Kistock dataloggers

Standalone & Radio



Temperature / Humidity / Pressure / Air quality / Light / Water pressure

European manufacturer
www.kimo.fr

NEW RANGE

Standalone Dataloggers **Kistock**

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

www.kimo.fr/kistock



NF EN 12830 standard



COMPACT
Class 20 / 50

Temperature

Class 20
- Without display
- Up to 8,192 points

Temperature, Humidity

Class 50
- 1-line display
- 16,000 points

MINI size



PORTABLE
Class 120

Temperature, Humidity

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

Software PDF **integrated**



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P. 20 Find out about our wireless solutions





FIELD
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

Multi **application**

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

Multi **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*. More information on page 7. Scan the QR code below or download the application from our website:

www.kimo.fr/kilog

Google play | Download on the App Store

*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.



Benefits
of the KISTOCK range

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

Energy
performance

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

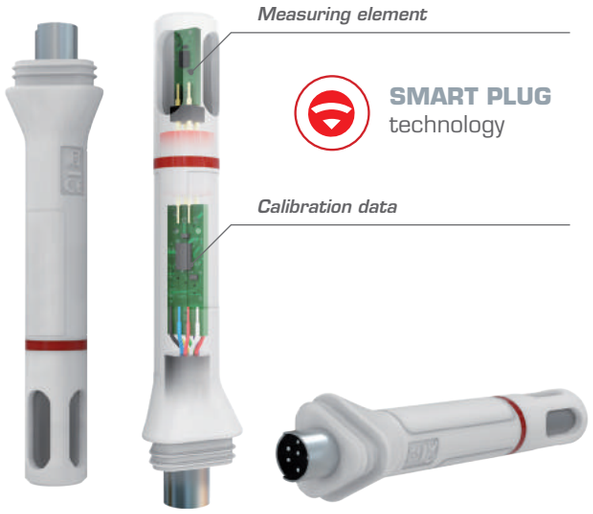
To respond to this broad application scope, the range comes in 4 device classes, from the most compact to the most advanced, the objective being to provide a specific, reliable and effective solution to the constraints of every business.



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



COMPACT

Class 20 & 50

Temperature / Humidity



Class 50

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

Magnetised casing
and a place for an anti-theft device

USB
connection

Standard interchangeable **batteries**

Free
Kilog-Lite

KILOG
software (option)



Ambient checkpoint

IP56



Mini temperature dataloggers

KT 20 G
Temperature . . . . . -40 to +85°C
Memory . . . . . 2,048 points

KT 20 L
Temperature . . . . . -40 to +85°C
Memory . . . . . 8,192 points

KT 20 T
Temperature . . . . . 0 to +125°C
Memory . . . . . 8,192 points



KH 50

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

Measuring ranges

-20 to +70°C
5 to 95 %RH

IP40 casing



NF EN 12830 standard

KT 50

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

Measuring range

-40 to +70°C

IP65 casing



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

PORTABLE

Class 120

Temperature / Humidity

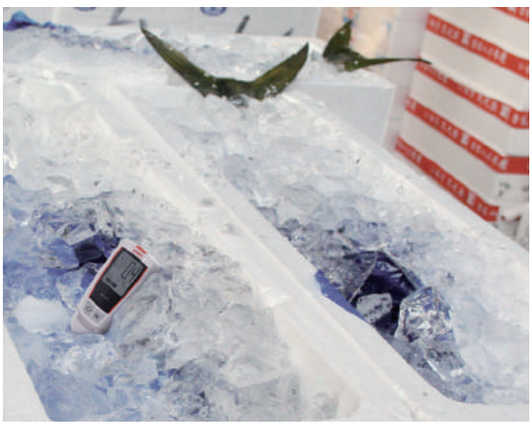


Dedicated to transport, class 120 helps control the measurements inherent in the health regulations applicable to fresh produce and foodstuff (hot and cold) retail, warehousing and transport activities to preserve the quality of the products and guarantee safety for consumers.

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

- **50,000** measurement points
- 2 programmable **alarm thresholds**
- **Magnetic** fastening
- Integrated PDF **software**
- Integrated adjusting **certificate**
- Integrated USB **connector**







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.

www.kimo.fr/kistock



NF EN 12830 standard

KT 120

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

Measuring range

-40 to +70°C

IP65 casing



KH 120

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

Measuring ranges

-20 to +70°C

5 to 95 %RH

IP40 casing



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

Class 220

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



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.

- Multi **application**
- **1,000,000** measurement points
- 2 programmable **alarm thresholds**
- **Free** Kilog-Lite
- A place for an **anti-theft device**
- **KILOG** software (option)



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

Multi-application

www.kimo.fr/kistock



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



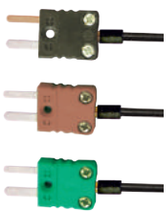
KTT 220

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

External

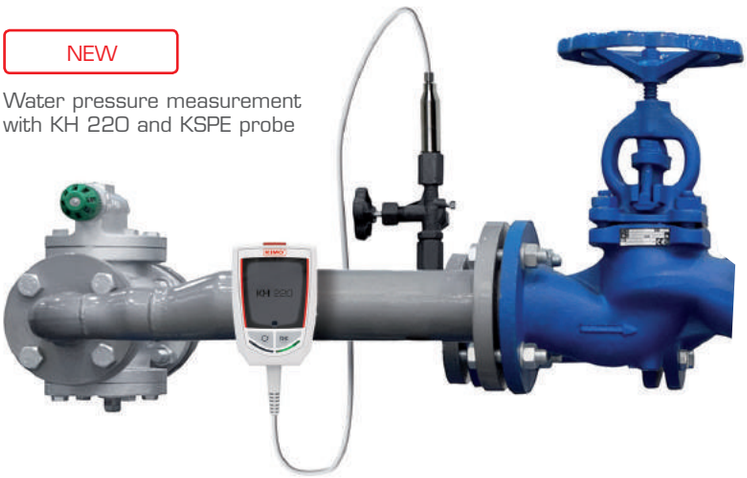
Thermocouple temperature

K	-200 to +1,300°C
J	-100 to +750°C
T	-200 to +400°C
N	-200 to +1,300°C
S	0 to +1,760°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

EXPERT

Class 320

Temperature / Humidity / Pressure / Atmospheric pressure
Air quality / 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 (see p.4).

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, CO_2 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
100 %
SMART
TECHNOLOGY

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.



2,000,000
measurement points

Bluetooth
connection

KILOG
software (option)

A place for an
anti-theft device

2 programmable
alarm thresholds

Mobile
application



Accessories

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



Compatible with KNT 320

Data collector, storage and recovery
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

Externe

Humidity
5 to 95 %RH

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





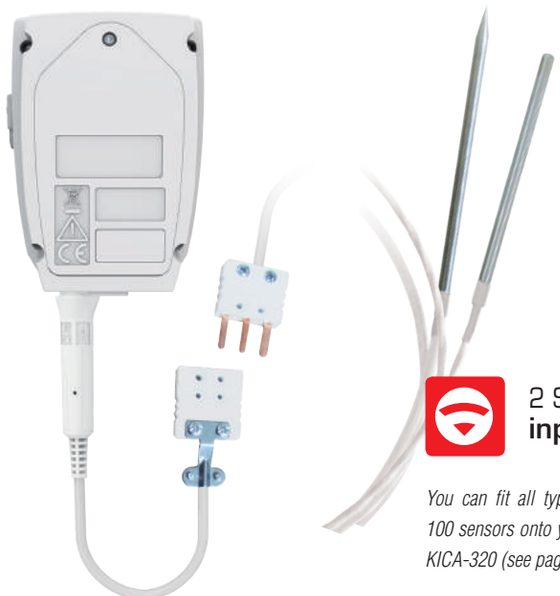
KTT 320

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

Externe

Thermocouple temperature

K	-200 to +1,300°C
J	-100 to +750°C
T	-200 to +400°C
N	-200 to +1,300°C
S	0 to +1,760°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 (see page 18)



The KT 320 helps control the contamination of clean rooms

www.kimo.fr/kistock



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
5 to 95 %RH

Atmospheric pressure
800 to 1,100 hPa

Air quality
0 to 5,000 ppm



KPA 320

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

Internal

Temperature
-20 to +70°C

Humidity
5 to 95 %RH

Atmospheric pressure
800 to 1,100 hPa



KP 320/321

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

Internal

Pressure
KP 320: ±1,000 Pa
KP 321: ±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





KICA 320

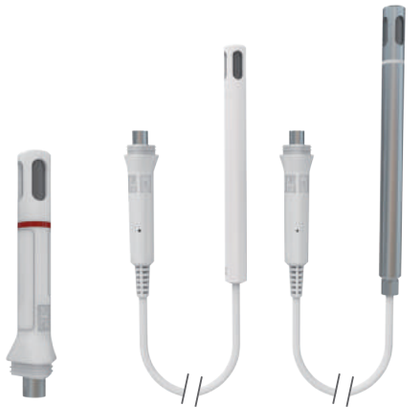
The KICA 320 is a Smart-Plug adapter for connecting any type of class A 3-wire Pt 100 sensor onto your KT 320 (see page 16)

SMART PLUG technology

Temperature probes

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





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

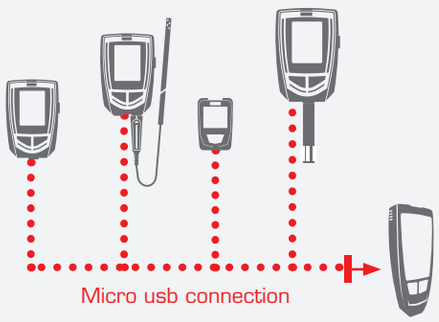
- 5 to 95 RH%
- Smart-Plug technology
- ABS or STAINLESS STEEL sensor
- With or without the connection cable
- Cable length 2m

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. (see page 5)

Memory: 20,000,000 points





All our Technical Data sheets
available at www.kimo.fr/kistock

COMPARISON

COMPACT	PORTABLE	FIELD	EXPERT
			

SCOPE OF APPLICATION



DEVICES / CHARACTERISTICS	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	°C °F	°C °F	°C °F	°C °F	°C °F	°C °F	°C °F	°C °F		°C °F	°C °F	°C °F
Hygrometry												
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		-		free							
Kilog-Pdf	no		Integrated		no							
Kilog	Comprehensive Kilog data processing software (Optional)											
Kilog Mobile 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

KISTOCK RF

Radio dataloggers

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 datalogger

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

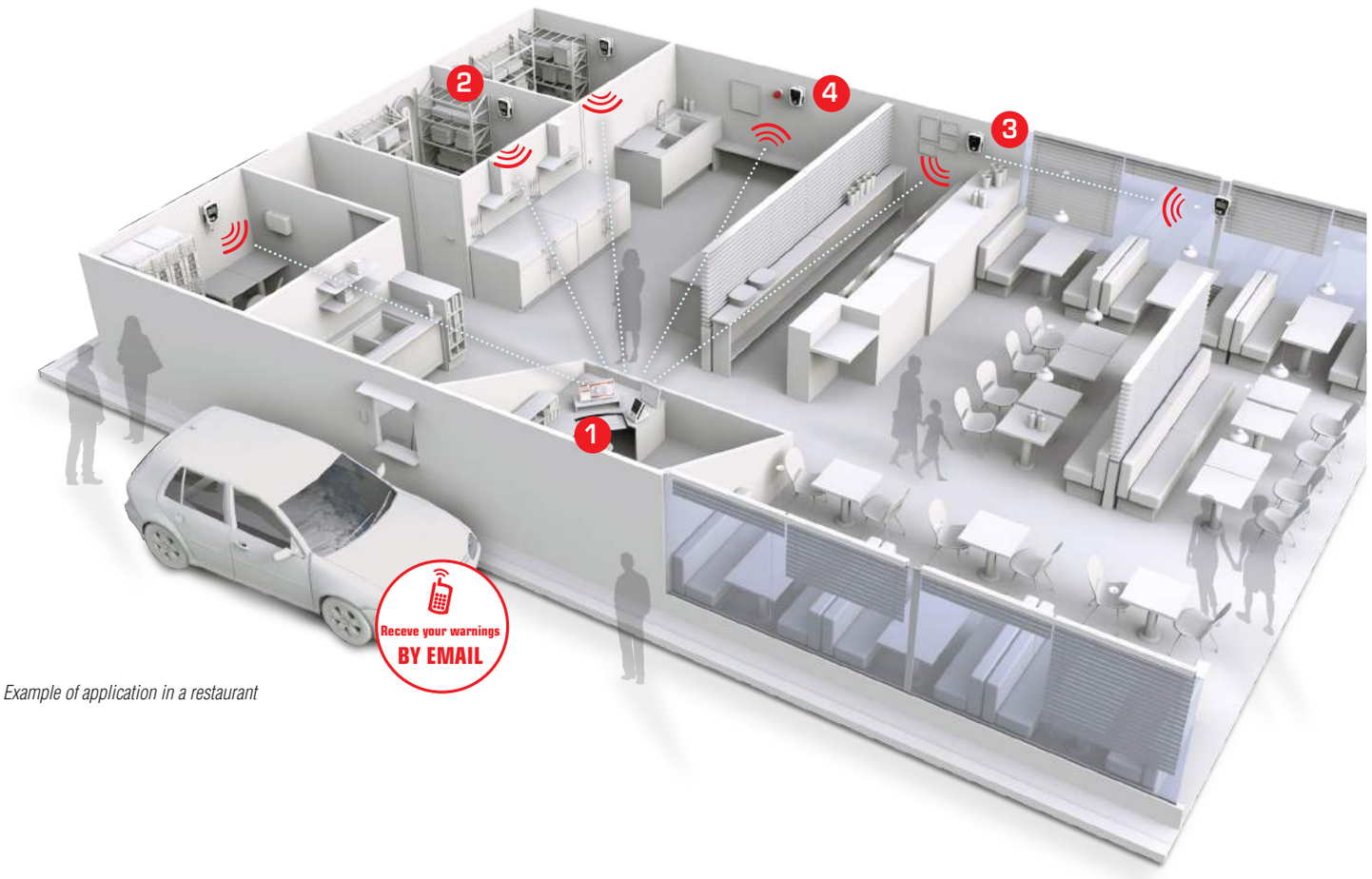


4

Alarm module with relay

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

Class 110 radio dataloggers

Temperature / Pressure / Current / Voltage / Pulse







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

NF EN 12830 standard

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





KISTOCK RF

Class 210 radio dataloggers

Temperature / Humidity / Current / Voltage / Pulse / Light





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 à 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
-20 to +70°C

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

Class 310 radio dataloggers

Temperature / Current / Voltage / Pulse



KTR 310-RF

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

External

°C
°F
Temperature
-100 to +400°C



KTT 310-RF

- 2-line display
- 2 K, J, T and S thermocouple inputs
- Impermeability: IP54
- Memory 20,000 points
- Battery life 3 years*

External

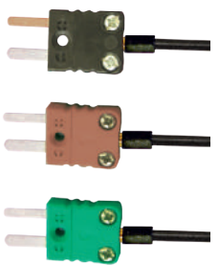
°C
°F
Thermocouple
temperature

K -200 to +1300°C

J -100 to +750°C

T -200 to +400°C

S 0 to +1760°C







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

KISTOCK RF

Software and accessories

KILOG-RF

Software and accessories

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



Radio and Ethernet

network extender

KPE-RF et 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.

1,500 m² of laboratories

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

www.kimo.fr/laboratories

Calibration/Adjustment
of measuring instruments

Hotline
Attentive to your needs

Before returning any equipment, out 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.

cofrac ETALONNAGE ACCREDITATION N°2-1885 PORTÉE DISPONIBLE SUR WWW.COFRAC.FR

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.

cofrac ETALONNAGE ACCREDITATION N°2-5553 PORTÉE DISPONIBLE SUR WWW.COFRAC.FR

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.



KISTOCK APPLICATION EXAMPLE:
TEMPERATURE MAPPING

Warehouse / Laboratory
Pharmacy / Chamber / Transport

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

Pharmaceutical
warehouse

Climatic conditions
20° ±5°C

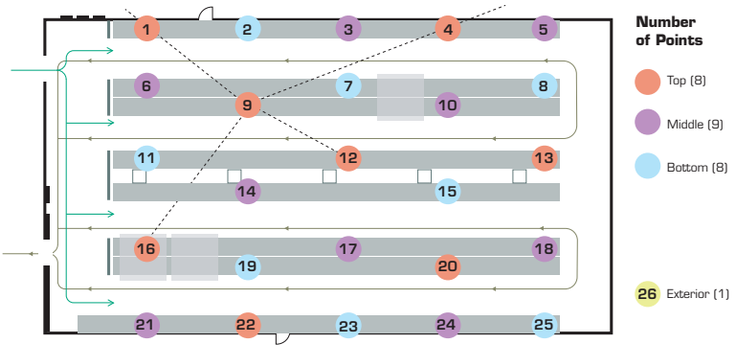
100,000 m³
characterisation volume

NF EN 60068-3 standard

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

Mission

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



Equipment



26 KT 320 data loggers (see page 16), including 1 installed outside. KILOG software to configure and process data.

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.



DISCOVER ALL OUR PRODUCT RANGES

on www.kimo.fr



General catalogue



Portable instruments



Sensor transmitters



Gas analysers

RCS (24)Périgueux 349 282 095 - Document non contractuel - Nous nous réservons la possibilité de faire évoluer les caractéristiques de nos produits sans préavis

EXPORT SALES SERVICE

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