



KISTOCK DATALOGGER HVAC range : KTH-CO₂

Temperature / Humidity / CO₂



KEY POINTS

- 20 000 measurement points
- 2 configurable setpoint alarms
- Fast data download (1000 values per seconds)
- IP40 housing

TECHNICAL FEATURES

Displayed units	°C, °F, %RH, °Ctd, °Ftd, ppm
Resolution	0.1°C, 0.1°F, 0.1%RH, 1 ppm
Setpoint alarm	2 setpoint alarms on each channel
Frequency of measurement	From 5 s to 24 h
Working temperature	From -20 to +70 °C
Storage temperature	From -40 to +85 °C
Battery life	3 years (on the basis of 1 measurement each 15 minutes at 20°C)

TECHNICAL FEATURE OF THE INTERNAL SENSOR

	Hygrometry	Temperature	CO ₂
Type of sensor	CMOS		NDIR
Measuring range	From 5 to 95 %RH	From -20 to +70 °C	From 0 to 5000 ppm
Accuracy	Accuracy** (Repeatability, linearity, hysteresis) : ±2%RH (from 15°C to 25°C) Factory calibration uncertainty : ±0.88 %RH Temperature dependence : ±0.04 x (T-20) %RH (if T<15°C or T>25°C)	From -20 to 0°C : 2% of reading value ±0.6 °C From 0 to 30 °C : ±0.5 °C From 30 to 70 °C : 1.5% of reading value	±50 ppm +3% of reading value
Response time (t ₆₃)	50 s (Vair = 2 m/s)	25 s (V = 2 m/s)	200 s

*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 calibration compensation.

**As per NFX 15-113 standard and the charter 2000/2001 Hygrometers, GAL (Guaranteed Accuracy Limit) which has been calculated with a coverage factor value of 2 is ±2.88%RH between 18 and 28°C on the measuring range from 5 to 95%RH. Sensor drift is less than 1%RH/year

FEATURES OF HOUSING

Size

120 x 80 x 55 mm

Weight

250 g

Display

2 lines LCD screen

Size : 45 x 28.5 mm

Control

2 buttons : Select and OK

Material

ABS housing

Protection

IP 40

PC communication

1 input for male Jack connector 3.5

Digital electronics

Lacquer protected circuit board

Meets RoHS standards

Battery power supply

Type lithium 3.6 V

Visual alarm

2 electroluminescent diodes (green and red)

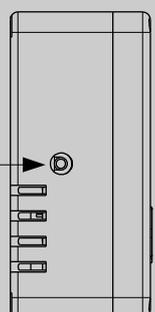
Environment

Air and neutral gases

PC CONNECTION

Input for PC connection

Jack connector (3.5)
Input for Kistock-PC software



DECRET 2012-14

Le Kistock KTH-CO2 est conforme au décret n° 2012-14 du 5 janvier 2012 relatif à l'évaluation des moyens d'aération et à la mesure des polluants effectuées au titre de la surveillance de la qualité de l'air intérieur de certains établissements recevant du public.

RECORDER FUNCTIONS

Five recording modes

KISTOCK can record in five different ways :

- **“Immediate”** mode records values according a predefined interval.
- **“Minimum”**, **“Maximum”** and **“Average”** record automatically the calculation of minimum, maximum and average of measured values during an interval recording.
- **“Monitoring”** mode allows to get an accurate history report during error events to help troubleshooting, without stopping the measurement logging. To proceed this way, you just have to define :
 - a record interval to be used whilst the reading are beyond the setpoints
 - a record interval for the values measured during each reading beyond the setpoints.Furthermore, you can also let your KISTOCK record non-stop (“loop” recording option).

Four types of dataset start

Once your recording mode has been set, you can launch your dataset :

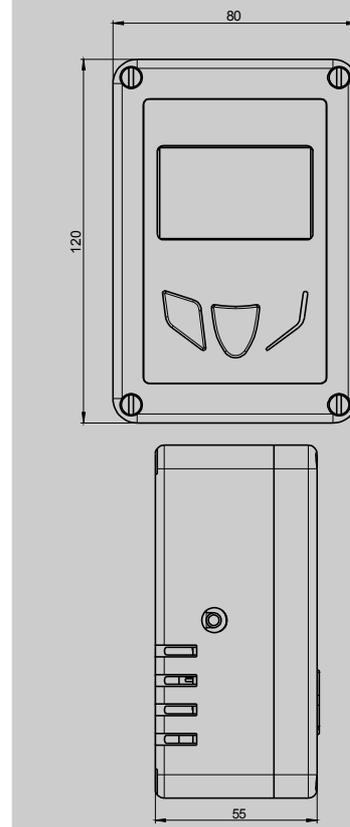
- With a delayed start (with predefined date and time)
- With the software
- With push-button
- With **“Online”** option. In this case, your datasets are directly sent, saved and displayed on your PC in real time.

Six types of dataset stop

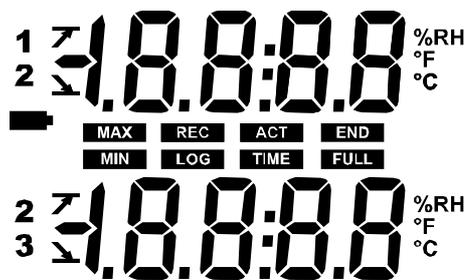
You can stop your dataset :

- According to a date and time (if it was started the same way)
- According to a period
- According to a predefined number of recording points
- Once the storage capacity is full
- With **“Stop”** option of the software
- By holding **“OK”** key for at least if this function has been previously activated by the software.

SIZE (in mm)



DISPLAY



°C.. Temperature in degree Celsius

°F.. Temperature in degree Fahrenheit

%RH...Relative Humidity

ppm : concentration of CO₂ in ppm

END

Dataset is finished

REC

One value is being recording

LOG

Flashing : dataset has not started yet
Constant : data set is in progress

FULL

Slow flashing : dataset is taking 80-90% of storage capacity
Fast flashing : dataset is taking 90-100% of storage capacity
Constant : storage capacity filled up

ACT

Refresh of displayed measurement

TIME

Display of measurement and recording intervals

Low battery indicator

Low battery indicator

MIN

Displayed values correspond to maximum and minimum values of the channels

MAX

12
23

Channel No. which is measuring

↑
↓

Alarm action type : rising or falling action

LOGICIEL

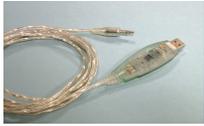


- Configuration and data processing software **KILOG** software enables you to configure, save and process your data in a very simple way.
- Software..... *Ref. KILOG-N*
- USB interface..... *Ref. I-KIC2*
- Complete set : software + 1 interface..... *Ref. KIC2 KILOG*



• **KILOG CFR software**

KILOG CFR software is the key tool for users who requires traceability, in accordance with 21CFR-Part11 standards. Security and integrity of data are guaranteed : it is not possible to modify or tamper with the data.



• **KISTOCK-PC interface**

This USB cable enables you to connect your KISTOCK to your PC..
Ref. I-KIC2

- Interface..... *Ref. I-KIC2*
- Complete kit : KILOG 1CFR software + 1 interface...*Ref. KIC2-CFR-N*



Software is compatible with the former range of Kistock.

ACCESSORIES



• **KNT data collector.**

KNT data collector allows you to collect measurements from one or several KISTOCK directly on-site (up to 500,000 values stored). Data can be displayed and printed from the KNT or download to your PC.
Ref. KNT 310

CALIBRATION

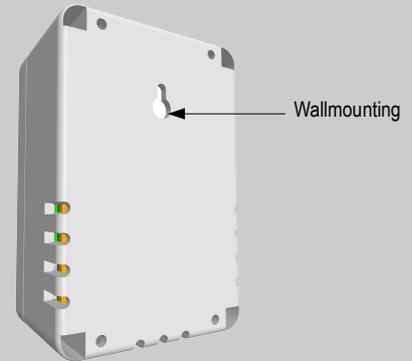
KISTOCK dataloggers can be supplied with calibration certificate as an option.

WARRANTY PERIOD

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

FIXATION

With its fixing system by wallmounting,, it is possible to transport or fix the Kistock KTH-CO2 easily.



www.kimo.fr

Distributed by :



EXPORT DEPARTMENT

Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29

e-mail : export@kimo.fr