

# **Technical Data Sheet**

Pressure / Temperature / Humidity / Air Velocity / Airflow / Sound level

## KISTOCK KT 20

Temperature datalogger

- Fast data download (up to 1400 values/second)
- Up to 8192 measurement points
- 2 configurable setpoint alarms
- Small dimensions
- IP 56 housing



Resolution	0.5°C
Storage capacity	2048 or 8192 points
Setpoint alarm	2 setpoint alarms
Frequency of measurement	From 1 min to 255 min (KT-20-G) From 1 s to 273 h (KT-20-L and KT-20-T)
Operating temperature	From -40 to +85°C (KT-20-G and KT-20-L) From 0 to +125°C (KT-20-T)
Storage temperature	From -40 to +85°C
Battery life	5 years*

When used at a temperature higher than 50°C, the battery life of datalogger is reduced.

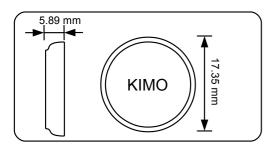
(\*) on the basis of 1 measurement each minute at 20°C (KT-20-G)
on the basis of 1 measurement each 10 minutes at 20°C (KT-20-L/T)

## Temperature transmitter

Measuring range	-40 to +85°C (KT-20-G and KT-20-L) 0 to +125°C (KT-20-T)
Accuracy	$ \begin{array}{ll} \text{KT-20-G}: \pm 1^{\circ}\text{C} \; (-30^{\circ}\text{C} \! \leq \! \! \text{T} \! \leq \! \! +70^{\circ}\text{C}) \\ & \pm 1,3^{\circ}\text{C} \; (\text{T} \! < \! \! -30^{\circ}\text{C} \; \text{and} \; \text{T} \! > \! +70^{\circ}\text{C}) \\ \text{KT-20-L}: \pm 0,5^{\circ}\text{C} \; (+10^{\circ}\text{C} \! \leq \! \! \text{T} \! \leq \! \! +65^{\circ}\text{C}) \\ & \pm 1,3^{\circ}\text{C} \; (\text{T} \! < \! \! +10^{\circ}\text{C} \; \text{and} \; \text{T} \! > \! +65^{\circ}\text{C}) \\ \text{KT-20-T}: \pm 0,5^{\circ}\text{C} \; (+20^{\circ}\text{C} \! \leq \! \! \text{T} \! \leq \! \! +75^{\circ}\text{C}) \\ & \pm 1,3^{\circ}\text{C} \; (\text{T} \! < \! \! +20^{\circ}\text{C} \; \text{and} \; \text{T} \! > \! +75^{\circ}\text{C}) \end{array} $

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.

#### **DIMENSIONS**







#### FEATURES OF HOUSING

Dimensions	Ø 17.35 x 5.89 mm
Weight	3.3 g
Material	STAINLESS STEEL
Protection	IP 56
PC communication	Specific USB interface
Environment	Air and neutral gases

#### **REFERENCES**

Part number	Storage capacity	Measuring range
KT-20-G	2048	From -40 to +85°C
KT-20-L	8192	From -40 to +85°C
KT-20-T	8192	From 0 to +125°C

## **RECORDER FUNCTIONS**

KT-20 can record measurements in real time. To do so, you just have to select the launch type:

- "immediate"
- "delayed" (with predefined date and time)
- "according alarm": record is made when a measurement exceeds the setpoint alarm (function available on KT-20-L and KT-20-T models)

The dataset will stop once the storage capacity is full. You can also choose the non-stop record ("loop" recording option).



## · Configuration and data processing software

KILOG enables you to configure, save and process your data in a very simple way.



#### KILOG CFR software

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

Software	Ref. KILOG-N
Interface	Ref. I-KIC1
Complete set : KILOG software + 2 USB interfaces	Ref. KIC12
Complete set : KILOG CFR software + 2 USB interfaces	Ref. KIC12 CFR

## PC CONNECTION

#### · Data download on the PC



Place the KT-20 as shown beside, and connect the USB to your PC.



Be careful to insert the KT-20 with the engraved side not visible.

## **CALIBRATION**

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

FT\_ang - KT20 - 16/07/2015 - RCS (24) Périgueux 349 282 095 Non-contractual document - We reserve the right to modify the characteristics of our products without prior notice.

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