



# KISTOCK KT 20

## Temperature datalogger

- Fast data download (up to 1,400 values/second)
- Up to 8,192 measurement points
- 2 configurable setpoint alarms
- Small dimensions
- IP 56 housing



### Technical features

Resolution.....	0.5°C
Storage capacity.....	2,048 or 8,192 points
Setpoint alarm.....	2 setpoint alarms
Frequency of measurement.....	from 1s to 255min (KT-20-G) from 1s to 273h (KT-20-L and KT-20-T)
Working 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

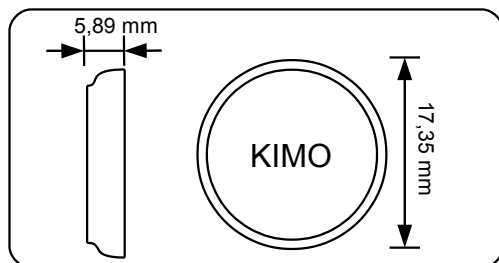
Measuring range.....	-40 to +85°C (KT-20-G and KT-20-L) 0 to +125°C (KT-20-T)
Accuracy.....	KT-20-G : $\pm 1^\circ\text{C}$ ( $-30^\circ\text{C} \leq T \leq +70^\circ\text{C}$ ) $\pm 1.3^\circ\text{C}$ ( $T < -30^\circ\text{C}$ and $T > +70^\circ\text{C}$ ) KT-20-L : $\pm 0.5^\circ\text{C}$ for $+10^\circ\text{C} < T < +65^\circ\text{C}$ KT-20-T : $\pm 0.5^\circ\text{C}$ for $+20^\circ\text{C} < T < +75^\circ\text{C}$

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 calibration compensation.

### Features of housing

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

### Dimensions



### 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.

### 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).

### KILOG Softwares



- **Configuration and data processing software**
- KILOG enables you to configure, save and process your data in a very simple way.

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



#### 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.

- Complete set: KILOG CFR software + 2 USB interfaces  
Ref. KIC12 CFR-N

### Calibration

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