

sauermann®
KT220 Data
Loggers



sauermann KT220 Data Loggers User Guide

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sauermann KT220 Data Loggers



Product Usage Instructions

- The display shows channel number, actual measured values, max/min values, and threshold exceeding direction.
- Refer to the provided dimensions for installation and use the appropriate connections based on the model (KT/KH 220 or KTT 220).
- Configure the device to record max/min or average values during intervals. Utilize the monitoring mode for real-time data collection without interrupting measurement logging.
- Utilize the magnetic mounting feature to easily fix the KT 220, KH 220, or KTT 220 KISTOCK device.
- Avoid aggressive solvents during maintenance. Protect the device from cleaning products containing formalin. Always use the device within specified parameters to ensure proper functionality and protection.

FAQ

- **Q: How can I check the storage capacity of the data logger?**
 - **A:** The display indicates the storage capacity status – flashing slowly for 80-90%, flashing quickly for 90-100%, and constant for full capacity.
- **Q: What does the BAT indicator signify?**
 - **A:** The BAT indicator constantly displayed indicates that the batteries need to be replaced.


Quick start guide

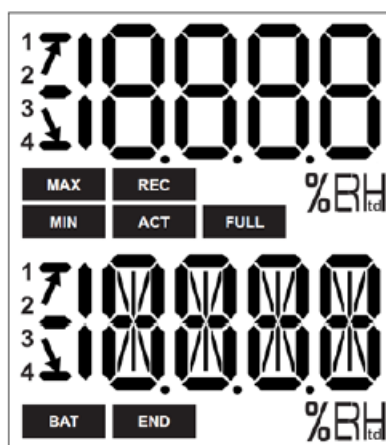
Reference	Parameters
KT 220	Temperature, humidity, current, voltage, electrical pulses, liquid pressure
KH 220	Temperature, humidity (internal sensor, an additional external humidity probe is available as an option), current, voltage, electrical pulses, liquid pressure, light
KTT 220	Temperature

Operating temperature, protection of the instruments, and information about storage and the battery

- Operating temperature*: KT220: from -40 to +70 °C; KH220, KTT220: from -20 to +70 °C
- KT220: IP65; KH220: IP20; KTT220: IP54*
- Storage temperature: from -20 to +50 °C
- Battery power supply: 1x AA lithium 3.6 V battery

Display

- **END** DATASET is finished.
- **REC** Indicates that one value is being recorded.
 - It flashes: the DATASET did not start already.
- **FULL** Flashing slowly: DATASET is between 80 and 90 % of the storage capacity.
 - Flashing quickly: DATASET is between 90 and 100 % of the storage capacity.
 - Constant: storage capacity full.
- **BAT** Constant: indicates that the batteries have to be replaced.
- **1 2**
- **3 4** Indicates the channel number that is measuring.
- **ACT** Screen actualization of measured values.
- **MIN**
- **MAX** The displayed values are the maximum/minimum values recorded for the channels displayed.
-  Indication of the direction of exceeding the threshold in the recorded measurement



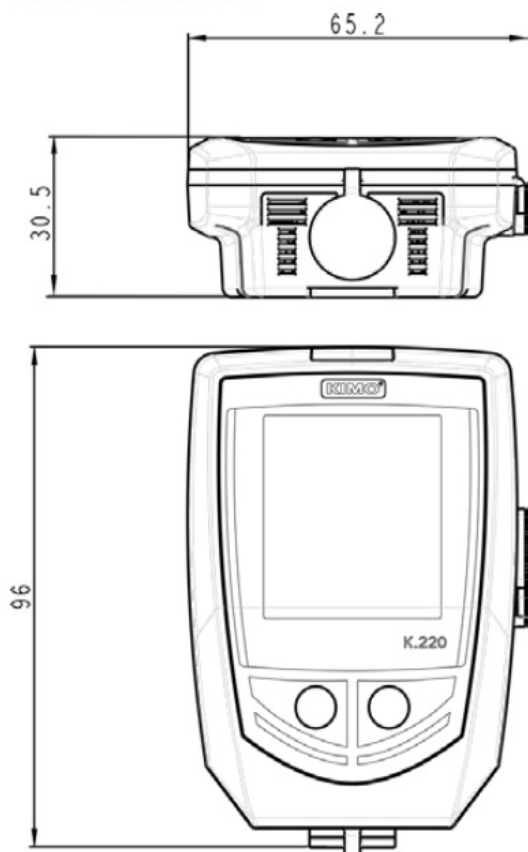
- °C: Temperature in °Celsius.

- °F: Temperature in °Fahrenheit
- %HR: Relative humidity (KH 220)

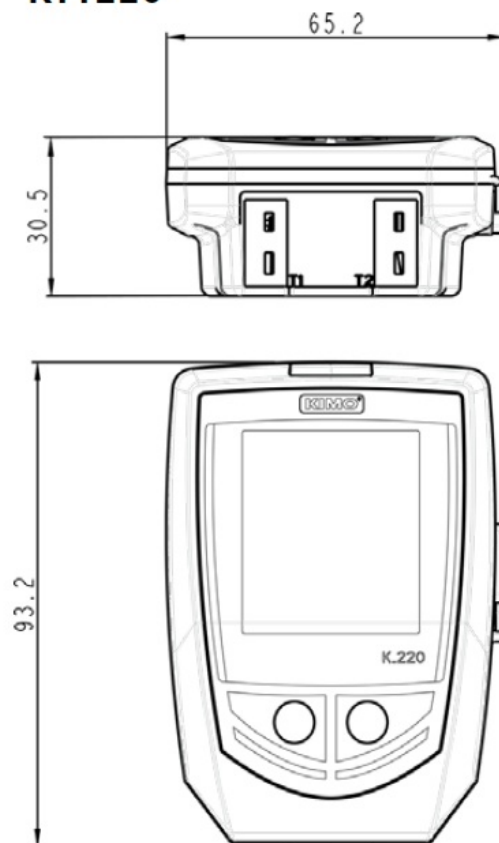
Dimensions

Dimensions (mm)

KT220, KH220

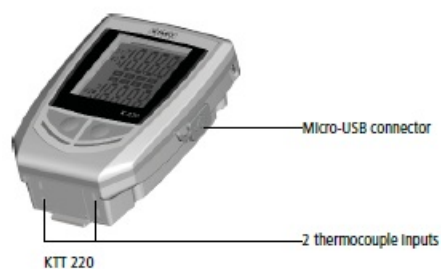


KTT220



- With all the thermocouple probes connected.

Connections



Recorder function

Five recording modes

KISTOCK can record in 5 different ways:

- "Immediate" mode records values according to a predefined interval.
- "Minimum", "Maximum" and "Average" record automatically the calculation of minimum, maximum or average of measured values during an interval of recording.

"Monitoring" mode allows to get an accurate history report during error events to help troubleshoot, without stopping the measurement logging. To proceed this way, you just have to define :

- a record interval to be used whilst the readings 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 the "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:

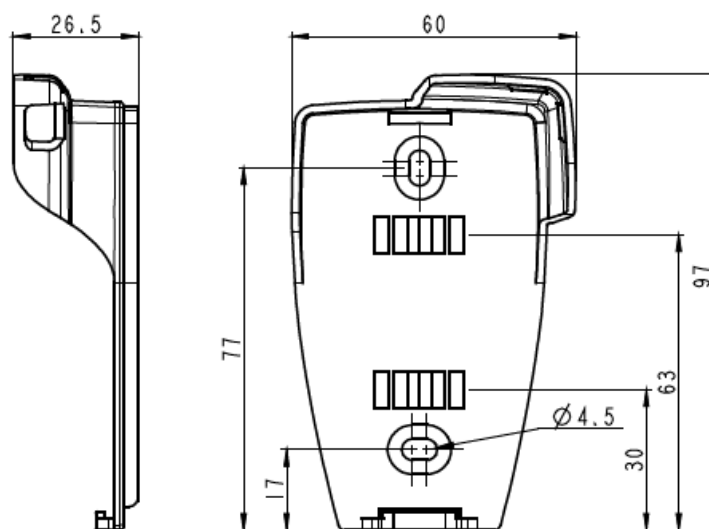
- According to a date and time (if it was started the same way)
- According to a period
- According to a predefined number of recording points
- Once the storage capacity is full
- With the "Stop" option of the software
- By holding the "OK" key for 5 seconds, if this function has been previously activated by the software

Mounting

- The KT 220, KH 220 and KTT 220 KISTOCK have a magnetic mounting, so you can fix it easily.



Dimensions of the wall mount (mm)



Accessories

- Please refer to the datasheet to get more information about available accessories.

Maintenance

- please avoid any aggressive solvent. Please protect the device from any cleaning product containing formalin, that may be used for cleaning rooms or ducts.

Precautions for use

- please always use the device under its intended use and within the parameters described in the technical features in order not to compromise the protection ensured by the device.

Download the full manual



Customer service portal Portail service clients

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




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QSG – Kistock classe 220 – 04/10/24 – Non-contractual document – We reserve the right to modify the characteristics of our products without prior notice.

Documents / Resources

	<p>sauermann KT220 Data Loggers [pdf] User Guide KT220, KH220, KTT220, KT220 Data Loggers, KT220, Data Loggers, Loggers</p>
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References

- [🌐 Services - Homepage](#)
- [User Manual](#)

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