

[Manuals.plus](#) /

› [KIMO Instruments](#) /

› KIMO Instruments Kistock KT50 Temperature Datalogger User Manual

KIMO Instruments KT50

KIMO Instruments Kistock KT50 Temperature Datalogger User Manual

Model: KT50

1. INTRODUCTION

The KIMO Instruments Kistock KT50 is an autonomous, compact temperature datalogger designed for precise monitoring in various sensitive environments, including the food industry, pharmaceutical sector, and for the storage and processing of delicate goods. This device is equipped with a 1-line LCD display and can store up to 16,000 measurement points. It features two configurable set point alarms to alert users of deviations from desired temperature ranges. Its robust IP65 rating ensures protection against dust and water ingress, making it suitable for demanding conditions. The KT50 also boasts fast data download capabilities, transferring up to 1000 values per second, and offers convenient magnetic mounting for easy placement.



Figure 1: Front view of the KIMO Kistock KT50 Temperature Datalogger displaying a temperature reading.



Figure 2: The KIMO Kistock KT50 datalogger held in a hand, illustrating its compact and portable design.



Figure 3: Examples of typical applications for the KIMO Kistock KT50, including agriculture, medicine, food industry, and warehousing, highlighting its versatility.

2. SETUP

2.1. Battery Installation

The Kistock KT50 requires two CR2 batteries for operation, which are typically included. To install or replace batteries:

1. Locate the battery compartment cover on the rear of the device.
2. Carefully open the cover using a small screwdriver or coin if necessary.
3. Insert the two CR2 batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

2.2. Software Installation

The Kistock KT50 utilizes dedicated software for configuration, data download, and analysis. This software is typically provided on a CD-ROM or available for download from the KIMO Instruments official website. Follow the on-screen

instructions during installation.

2.3. Connecting to a Computer

To connect the datalogger to your computer for configuration or data transfer, use a standard USB cable. The device features a USB port, often protected by a small cover.

1. Open the USB port cover on the side of the KT50.
2. Connect one end of the USB cable to the datalogger and the other end to an available USB port on your computer.
3. The computer should recognize the device. If prompted, install any necessary drivers (usually part of the software installation).



Figure 4: The KIMO Kistock KT50 datalogger connected to a USB cable, ready for data transfer or configuration.

3. OPERATING INSTRUCTIONS

3.1. Understanding the LCD Display

The KT50 features a 1-line LCD display that shows current temperature readings and status indicators. Common indicators include:

- **Current Temperature:** Displays the real-time temperature measurement.
- **REC:** Indicates that the device is actively recording data.
- **Alarm Icon:** Appears when a configured alarm threshold has been exceeded.
- **Battery Icon:** Shows the current battery level.

3.2. Starting and Stopping Data Logging

Data logging is typically initiated and stopped via the KIMO Instruments software. Refer to the software's user guide for detailed instructions on setting logging intervals, start/stop conditions, and alarm thresholds.

3.3. Configuring Alarms

The KT50 allows for two configurable set point alarms. These alarms are set using the accompanying software. You can define upper and lower temperature limits. When the measured temperature falls outside these limits, the alarm icon will activate on the display.

3.4. Data Download

To download recorded data:

1. Ensure the KT50 is connected to your computer via USB.
2. Launch the KIMO Instruments software.
3. Follow the software's instructions to initiate data download. The KT50 supports fast data transfer, up to 1000 values per second.
4. Once downloaded, data can be viewed, analyzed, and exported within the software.

4. MAINTENANCE

4.1. Cleaning

To maintain the device's performance and appearance, wipe it clean with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the casing or display. Ensure the USB port cover is closed when not in use to maintain its IP65 rating.

4.2. Battery Replacement

Replace batteries when the low battery indicator appears on the display. Refer to section 2.1 for battery installation instructions. Always use new CR2 batteries for optimal performance.

4.3. Storage

When storing the datalogger for extended periods, it is recommended to remove the batteries to prevent leakage. Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

5.1. Device Not Turning On

- Check battery installation: Ensure batteries are inserted with correct polarity.
- Replace batteries: If batteries are old or depleted, replace them with new CR2 batteries.

5.2. Data Not Logging

- Verify logging status: Check the LCD display for the "REC" indicator. If not present, logging may not be active.

- Check software settings: Ensure logging parameters (start time, interval) are correctly configured in the KIMO software.
- Memory full: The device has 16,000 measurement points. If memory is full, download data and clear the device's memory via the software.

5.3. Connection Issues with PC

- Check USB cable: Ensure the USB cable is securely connected to both the datalogger and the computer. Try a different USB port.
- Software running: Make sure the KIMO Instruments software is open and running.
- Driver installation: Verify that the necessary USB drivers are correctly installed. Reinstall the software if needed.

6. SPECIFICATIONS

Feature	Detail
Model Number	KT50
Brand	KIMO Instruments
Measurement Points	16,000
Alarms	2 configurable set point alarms
Display Type	1 line LCD
Data Download Speed	1000 values/second
Mounting	Magnetic
Connectivity	USB
Power Source	2 x CR2 batteries (included)
Ingress Protection (IP) Rating	IP65
Color	White
Product Care	Wipe Clean
Parcel Dimensions	16 x 10 x 2.5 cm
Weight	50 g
First Available Date	Oct. 30 2017

7. WARRANTY AND SUPPORT

Warranty information for the KIMO Instruments Kistock KT50 is typically provided with the product packaging or can be found on the official KIMO Instruments website. Please retain your proof of purchase for warranty claims.

For technical support, software updates, or further assistance, please visit the KIMO Instruments official website or contact their customer service department. Contact details are usually available on their website or in the product documentation.

Note: This manual provides general guidance. Always refer to the latest documentation and software provided by KIMO Instruments for the most accurate and up-to-date information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B076ZPZ3VZ>

More documents and user manuals: <https://manuals.plus/>