

TFA Dostmann 31.1061.02

TFA Dostmann Data Logger for Temperature & Humidity LOG210 TC

Model: 31.1061.02

1. INTRODUCTION

The TFA Dostmann LOG210 TC is a professional data logger designed for precise monitoring and detailed recording of temperature and humidity. Manufactured in Germany, this device is equipped with a large memory capacity for 60,000 data sets, a USB interface for easy data transfer, and an alarm function for critical value deviations. It is suitable for a wide range of applications, including pharmacies, transport, hospitals, greenhouses, museums, and server rooms.

The data logger features a MAX/MIN function, a Time Marker function, and an additional motion sensor to document location changes or opening of windows/doors. Data can be output directly as a PDF file, and optional software is available for configuration and advanced analysis.

2. PACKAGE CONTENTS

Please check the package contents upon unpacking to ensure all items are present:

- TFA Dostmann LOG210 TC Data Logger
- 2x Thermocouple Probes
- 1x AA Battery
- User Manual

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment on the back of the data logger.
2. Open the battery compartment cover.
3. Insert the provided AA battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

3.2 Connecting Thermocouple Probes

The data logger includes two thermocouple probes for external temperature measurements. These probes connect to the top of the device.

1. Identify the two input ports on the top of the data logger.
2. Carefully insert the thermocouple probe connectors into the respective ports. Ensure a firm connection.



Image: The TFA Dostmann LOG210 TC data logger shown with one thermocouple probe connected to its top port. The device has a digital display showing temperature readings.



Image: A close-up view of the TFA Dostmann LOG210 TC data logger with two yellow-tipped thermocouple probes inserted into the top ports, ready for temperature measurement.

3.3 Initial Power-On and Software Configuration

Upon battery installation, the device will power on. For full functionality, including setting storage intervals and configuring alarms, the dedicated software is required. The data logger can also operate without the software, with a default measurement interval of 5 minutes.

- Connect the data logger to your PC via the integrated USB interface.
- The device will appear as a removable drive, and a PDF report of current data can be generated directly.
- For configuration, download the optional software from the manufacturer's website. Follow the software installation instructions.
- Use the software to set desired measurement intervals (from 10 seconds to 24 hours), configure alarm thresholds, and manage data.



Image: A close-up view of the top of the TFA Dostmann LOG210 TC data logger, showing the integrated USB connector, which is protected by a removable cap.

4. OPERATING INSTRUCTIONS

4.1 Display and Buttons

The data logger features a large digital display showing current temperature and humidity readings. Below the display are control buttons for basic operations.

- **Display:** Shows current temperature, humidity, battery status, and other indicators.
- **MAX/MIN Function:** Press the appropriate button to cycle through maximum and minimum recorded values.
- **Time Marker Function:** Allows marking specific events in the data log for later analysis.

4.2 Data Logging

The device automatically logs data at the configured interval. It has a memory capacity for 60,000 data sets. The motion sensor records any movement of the device, which can be useful for documenting transport or unauthorized access.

4.3 Alarm Function

The data logger can be configured to trigger an alarm when temperature or humidity values exceed or fall below predefined limits. An LED indicator will signal an active alarm condition.

4.4 Data Transfer and Output

To access recorded data:

1. Connect the data logger to a PC via USB.
2. The device will automatically generate a PDF report of the logged data, which can be saved or printed.
3. For more detailed analysis and data export (e.g., to Excel), use the optional software.



Image: The TFA Dostmann LOG210 TC data logger displayed alongside icons representing its key features: room monitoring, temperature and humidity measurement, PDF data output, and a memory capacity of 60,000 data sets.

5. MAINTENANCE

5.1 Cleaning

To clean the device, wipe it with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in water.

5.2 Battery Replacement

When the battery indicator on the display shows low power, replace the AA battery as described in Section 3.1. Prompt battery replacement is recommended to prevent data loss, especially if the device is left without power for extended periods.

5.3 Storage

Store the data logger in a dry, cool place away from direct sunlight and extreme temperatures when not in use for extended periods.

6. TROUBLESHOOTING

- **Device not powering on:** Check battery installation and ensure the battery is not depleted. Replace if necessary.
- **No data transfer via USB:** Ensure the USB connection is secure. Try a different USB port on your computer. Verify that the device is recognized by your operating system.
- **Software issues:** Ensure you have the latest version of the software from the official manufacturer's website. Check software compatibility with your operating system. It is recommended to back up important data on your computer regularly, especially when interacting with new software or devices.
- **Inaccurate readings:** Ensure probes are correctly connected and not damaged. Verify that the device is placed in an environment suitable for measurement and not exposed to extreme conditions beyond its operating range.
- **Alarm not triggering:** Check alarm threshold settings in the software to ensure they are configured correctly. Verify that the alarm LED is functional.

7. SPECIFICATIONS

Feature	Detail
Brand	TFA Dostmann
Model Number	31.1061.02
Part Number	30.1061.01
Item Weight	57 g
Product Dimensions	4.3 x 2.1 x 9.2 cm
Batteries	1 AA Battery (included)
Color	White
Material	Plastic
Power Source	Battery powered
Display Type	Digital
Certification	ISO
Special Features	Large display, High accuracy, Alarm, Fast reading system
Included Components	Data logger, 2x Thermocouple probes, Battery, User manual
Connectivity	USB
Memory Capacity	60,000 data sets
Measurement Interval	10 seconds to 24 hours (configurable via software); 5 minutes (default without software)
Thermocouple Probe Range	-40°C to +150°C (included probes); max. -150°C to +1370°C (external Type K probes)

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official TFA Dostmann website. Keep your proof of purchase for warranty claims.

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