

Shinko Technos DFT-700-M

Shinko Technos Digital Temperature and Humidity Indicator DFT-700-M User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of the Shinko Technos Digital Temperature and Humidity Indicator, model DFT-700-M. Please read this manual thoroughly before using the device and keep it for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device:

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping the device or subjecting it to strong impacts.
- Do not attempt to open or modify the device. Refer all servicing to qualified personnel.
- Keep the device away from water and other liquids.
- Ensure proper ventilation around the device during operation.

3. PRODUCT OVERVIEW

The DFT-700-M is a digital instrument designed to accurately measure and display both temperature and relative humidity. It features a clear digital display for easy reading of environmental conditions.

3.1 Components

- **Main Unit:** Houses the display and control circuitry.
- **Sensor Probe:** Integrated or external sensor for temperature and humidity measurement.
- **Power Input:** For connecting the power adapter.
- **Display Screen:** Shows current temperature and humidity readings.

4. SETUP

Follow these steps to set up your DFT-700-M indicator:

1. **Unpacking:** Carefully remove the device and all accessories from the packaging. Inspect for any signs of damage.
2. **Power Connection:** Connect the provided power adapter to the power input port on the device, then plug the adapter into a suitable power outlet.
3. **Placement:** Place the device in the desired location, ensuring the sensor probe is exposed to the environment you wish to monitor. Avoid placing it near heat sources, direct airflow, or in direct sunlight for accurate readings.
4. **Initial Power On:** The device should power on automatically once connected to power. The display will illuminate and begin showing readings after a brief initialization period.

5. OPERATING INSTRUCTIONS

The DFT-700-M is designed for straightforward operation.

5.1 Reading Measurements

Once powered on, the device will continuously display the current temperature and relative humidity. The units for temperature (e.g., °C or °F) and humidity (%) will be indicated on the display.

5.2 Display Functions

Specific display functions, such as switching between temperature units or viewing minimum/maximum readings, may be available via dedicated buttons on the device. Refer to the labels on the device for button functionalities.

6. MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your DFT-700-M.

6.1 Cleaning

- Wipe the exterior of the device with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or immerse the device in water.
- Keep the sensor probe clean and free from dust or debris to ensure accurate readings.

6.2 Storage

When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your DFT-700-M, try the following solutions:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Device does not power on	No power supply; faulty adapter	Check power connection; try a different outlet; ensure adapter is functional.
Inaccurate readings	Sensor obstructed; device placed in unsuitable environment; sensor malfunction	Clean sensor; relocate device away from drafts/heat sources; contact support if issue persists.
Display is blank or flickering	Power issue; internal fault	Check power connection; power cycle the device; contact support.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	DFT-700-M
Measurement Range (Temperature)	<i>(Example: -10°C to 60°C / 14°F to 140°F)</i>
Measurement Range (Humidity)	<i>(Example: 0% to 99% RH)</i>
Accuracy (Temperature)	<i>(Example: ±0.5°C / ±0.9°F)</i>
Accuracy (Humidity)	<i>(Example: ±3% RH)</i>
Display	Digital LCD
Power Supply	<i>(Example: DC 5V via AC adapter)</i>
Dimensions	<i>(Example: 100 x 70 x 25 mm)</i>
Weight	<i>(Example: 150g)</i>

Note: Specific measurement ranges, accuracy, and power supply details should be confirmed from the product packaging or official product page. The values above are examples.

9. WARRANTY AND SUPPORT

Shinko Technos provides a limited warranty for the DFT-700-M against defects in materials and workmanship under normal use. The warranty period typically begins from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, warranty service, or to inquire about replacement parts, please contact Shinko Technos customer service through their official website or the contact information provided with your product documentation. When contacting support, please have your model number (DFT-700-M) and purchase date available.