Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Zunate TA620A

Zunate TA620A Handheld Digital Temperature and Humidity Meter User Manual

Model: TA620A

1. Introduction

The Zunate TA620A is a stable and reliable handheld digital hygrometer designed for accurate measurement of relative humidity, ambient temperature, wet bulb temperature, and dew point temperature. This device is suitable for various indoor and outdoor applications, including growing gardens, laboratories, wine cellars, farms, storage rooms, and homes. Its compact design and robust construction ensure ease of use and durability.

2. Product Overview

The TA620A meter features a clear digital display and intuitive controls for various measurement functions. It is constructed from durable ABS material, designed to withstand wear and erosion in diverse environments.



Figure 2.1: Front and back view of the TA620A meter with labeled components.



Figure 2.2: The TA620A meter in use, showing its display with current readings.

3. Features

- **Durable Construction:** Made from high-quality ABS material, ensuring wear and erosion resistance for use in various environments.
- **Multi-Parameter Measurement:** Measures relative humidity, ambient temperature, wet bulb temperature, and dew point temperature.
- **Data Storage:** Capable of storing up to 99 data units for later review.
- **Measurement Modes:** Includes maximum (MAX), minimum (MIN), and average (AVG) modes.
- **Unit Conversion:** Easily switch between Celsius (°C) and Fahrenheit (°F).
- **Automatic Shutdown:** Features an automatic shutdown function after 15 minutes of inactivity to conserve battery life.
- **Portable Design:** Small, lightweight, and easy to carry for convenient use in various locations.



Figure 3.1: Detail of the high accuracy sensor for precise measurements.



Figure 3.2: The meter's robust construction with erosion-resistant ABS material.

4. Setup

4.1 Battery Installation

The TA620A meter is powered by batteries. To install or replace batteries:

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open or remove it as indicated.
3. Insert the required batteries (refer to specifications for type and quantity), ensuring correct polarity (+/-).
4. Replace the battery compartment cover securely.



Figure 4.1: Battery compartment with batteries installed.

4.2 Initial Power On

After battery installation, press the power button (usually marked with a ① symbol) to turn on the device. The display will illuminate, and the meter will begin taking readings.

Your browser does not support the video tag.

Video 4.1: Demonstration of battery installation and initial power-on for the TA620A Handheld Hygrometer Humidity Meter.

5. Operating Instructions

5.1 Basic Measurement

Once powered on, the meter will automatically display the current ambient temperature and relative humidity. Ensure the sensor probe is exposed to the environment you wish to measure.

5.2 Unit Switching (°C/°F)

To switch between Celsius and Fahrenheit temperature units, press the **UNIT** button. The display will update to show the selected unit.

5.3 Data Retention (HOLD)

Press the **HOLD** button to freeze the current readings on the display. Press it again to release and resume live measurements.

5.4 Maximum, Minimum, and Average Modes

The meter can display the maximum, minimum, and average values recorded since the device was powered on or the mode was reset.

- Press **MAX** to view the maximum recorded values.
- Press **MIN** to view the minimum recorded values.
- To exit MAX/MIN mode, press the respective button again or the power button.

5.5 Data Storage

The TA620A can store up to 99 sets of measurement data. Refer to the specific instructions in your device's full manual for detailed steps on how to save and recall data.



Figure 5.1: The meter's data storage capability.

5.6 Automatic Shutdown

The device will automatically shut down after approximately 15 minutes of inactivity to conserve battery power. To reactivate, press the power button.

6. Maintenance

6.1 Cleaning

To clean the device, gently wipe the exterior with a clean, damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the sensor area or other openings.

6.2 Battery Replacement

When the low battery indicator appears on the display, replace the batteries as described in Section 4.1. Always use fresh batteries of the specified type.

6.3 Sensor Care

The temperature and humidity sensor is a delicate component. Avoid touching the sensor directly or exposing it to extreme dust, dirt, or corrosive substances, as this can affect accuracy and lifespan.

7. Troubleshooting

If you encounter issues with your TA620A meter, please refer to the following common troubleshooting steps:

- **No Display/Device Not Turning On:**
  - Check if the batteries are installed correctly with the right polarity.
  - Replace old or depleted batteries with new ones.
  - Ensure the power button is pressed firmly.
- **Inaccurate Readings:**
  - Ensure the sensor is clean and free from obstructions.
  - Allow the device to stabilize in the measurement environment for a few minutes.
  - Avoid placing the device near heat sources, direct sunlight, or strong air currents that could affect readings.
- **Automatic Shutdown Too Soon:**
  - The device has an automatic shutdown feature after 15 minutes of inactivity. This is normal operation. Press the power button to restart.

8. Specifications

Parameter	Value
Model	TA620A
Brand	Zunate
Display Type	Digital
Outer Material	Plastic (ABS)
Power Source	Battery Powered
Temperature Range	-20°C to 60°C
Humidity Range	0-100% RH
Resolution	1.5°C or 3°F
Indoor/Outdoor Usage	Indoor, Outdoor
Automatic Shutdown	Yes (after 15 minutes)
Data Storage	Up to 99 data units
Item Length	7.87 Inches (167mm)
Item Width	3.54 Inches (59mm)



Figure 8.1: Dimensions of the TA620A meter.

© 2024 Zunate. All rights reserved.

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/B0D63LXQ3N

More documents and user manuals: **https://manuals.plus/**