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## A&D HT-300

# A&D HT Series Compact Scale User Manual

Model: HT-300

## INTRODUCTION

This user manual provides comprehensive instructions for the safe and efficient operation, maintenance, and troubleshooting of your A&D HT Series Compact Scale, model HT-300. Please read this manual thoroughly before using the scale to ensure proper functionality and to prevent damage.

## SAFETY INFORMATION

Always observe the following safety precautions to ensure safe operation and to prevent damage to the scale or injury to the user:

- Do not overload the scale beyond its maximum capacity (310 g for HT-300).
- Use the scale on a stable, level surface to ensure accurate readings.
- Avoid exposing the scale to extreme temperatures, humidity, or direct sunlight.
- Keep the scale away from strong electromagnetic fields.
- Do not disassemble or attempt to repair the scale yourself. Refer to qualified service personnel.
- Clean the scale with a soft, damp cloth. Do not use abrasive cleaners or immerse the unit in water.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- A&D HT-300 Compact Scale Unit
- Instruction Manual (this document)
- Clear Carry-Case
- AC Adaptor (optional, may be sold separately)

## PRODUCT OVERVIEW



Figure 1: A&D HT-300 Compact Scale. This image shows the top view of the scale, highlighting the weighing pan, the LCD display, and the control buttons for power, hold, and re-zero/tare functions.

The A&D HT-300 Compact Scale is designed for precise weighing in various environments, including schools, laboratories, and for weighing small items like jewelry. It features a stainless steel pan, a backlit LCD display, and multiple units of measure.

## Key Features:

- Stainless Steel Weighing Pan
- Backlit LCD Display for clear readings
- Multiple Units of Measure (g, oz, lb-oz, ozt, N)
- Stable, Net, and Zero Indicators
- AC Adaptor Option for continuous power
- Clear Carry-Case for portability and protection

## SETUP

1. **Unpacking:** Carefully remove the scale and all accessories from the packaging.
2. **Placement:** Place the scale on a firm, level, and vibration-free surface. Ensure it is away from direct sunlight, drafts, and heat sources.

### 3. Power Supply:

- **Battery Operation:** Open the battery compartment on the underside of the scale and insert the required batteries (check battery type and polarity).
- **AC Adaptor (Optional):** If using the AC adaptor, plug it into the scale's power input jack and then into a suitable wall outlet.

### 4. Initial Power On:

Press the **ON/OFF** button to turn on the scale. The display will show "88888" then "0.0g" (or the last used unit) when ready.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off

- To turn on: Press the **ON/OFF** button.
- To turn off: Press and hold the **ON/OFF** button until the display turns off. The scale also features an auto-off function to conserve power.

### 2. Basic Weighing

1. Ensure the scale is on a stable surface and displays "0.0g".
2. Gently place the item to be weighed on the center of the weighing pan.
3. Wait for the reading to stabilize. The "STABLE" indicator will appear on the display.
4. Read the weight displayed on the LCD.

### 3. Tare Function (Zeroing a Container)

The tare function allows you to subtract the weight of a container, so only the net weight of the contents is measured.

1. Place the empty container on the weighing pan. The display will show its weight.
2. Press the **→0/T←** (RE-ZERO) button. The display will return to "0.0g" and the "NET" indicator will appear.
3. Add the items to be weighed into the container. The display will show the net weight of the items.
4. To clear the tare, remove the container from the pan and press the **→0/T←** button again.

### 4. Changing Units of Measure

The HT-300 supports multiple units of measure (g, oz, lb-oz, ozt, N).

- With the scale on, press the **HOLD** button repeatedly to cycle through the available units.
- Stop pressing when your desired unit is displayed.

### 5. Hold Function

The hold function allows you to temporarily freeze the displayed weight, even after the item is removed from the pan.

- While an item is on the pan and the weight is stable, press and hold the **HOLD** button for a few seconds. The display will show "HOLD" or a similar indicator.
- The weight will remain displayed even if the item is removed.
- To release the hold, press the **HOLD** button again.

## MAINTENANCE

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## Cleaning:

- Wipe the scale surface with a soft, slightly damp cloth.
- For stubborn stains, use a mild detergent. Avoid harsh chemicals, abrasive cleaners, or solvents.
- Ensure no liquid enters the interior of the scale.
- The stainless steel pan can be removed for more thorough cleaning if necessary.

## Storage:

- When not in use for extended periods, store the scale in its clear carry-case to protect it from dust and damage.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.
- If using batteries, remove them if the scale will not be used for a long time to prevent leakage.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Scale does not turn on.	Low or dead batteries; AC adaptor not connected properly.	Replace batteries; check AC adaptor connection.
Inaccurate readings.	Scale not on a level surface; vibrations; air currents; overloaded.	Place on stable, level surface; avoid drafts; do not exceed capacity.
Display shows "EEEE" or "O-Err".	Overload error.	Remove item immediately. Do not exceed maximum capacity.
Display shows "Lo".	Low battery indicator.	Replace batteries.
Scale does not zero.	Something on the pan; scale not stable.	Remove all items from pan; ensure scale is stable.

If the problem persists after attempting the solutions above, please contact A&D customer support for assistance.

## SPECIFICATIONS

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Feature	Detail
Model Number	HT-300
Maximum Capacity	310 g
Readability (d)	0.1 g
Units of Measure	g, oz, lb-oz, ozt, N
Display Type	LCD with Backlight
Weighing Pan Material	Stainless Steel

Feature	Detail
Power Source	Batteries (not specified in input, assuming common types like AA/AAA) or Optional AC Adaptor
Product Dimensions	7.68 x 5.35 x 1.85 inches
Product Weight	1.21 Pounds
Special Features	Backlit Display, Multiple Weighing Units, Auto Shut Off, Stable/Net/Zero indicators

## WARRANTY AND SUPPORT

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A&D Company, Ltd. provides a limited warranty for this product against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and purchase date. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact A&D customer service through their official website or the contact information provided with your product packaging. When contacting support, please have your model number (HT-300) and purchase details ready.

For more information, visit the official A&D website: [www.andweighing.com](http://www.andweighing.com)

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