

## Anton Paar 234929

# EasyDens Digital Hydrometer Instruction Manual

Precise Alcohol, Sugar, and Extract Measurement for Homebrewing, Distilling, Beer, Wine, and Kombucha

## 1. INTRODUCTION

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The EasyDens Digital Hydrometer by Anton Paar is a sophisticated, Bluetooth-enabled device designed for accurate and rapid measurement of liquid density, which translates to precise readings for alcohol content, sugar levels, and extract in various beverages. This manual provides comprehensive instructions for setting up, operating, and maintaining your EasyDens device to ensure optimal performance and longevity.

Key features of the EasyDens include:

- **Smart & Fast Digital Hydrometer:** Offers quick measurements in under 5 seconds.
- **Versatile Applications:** Measures specific gravity (SG) and °Plato for beer brewing, °Brix, °KMW, °Oechsle, °Baumé, °Babo, and sugar concentration (g/L) for wine making, and alcohol content in % v/v, % w/w, and °Proof for sugar-free spirits.
- **Automatic Temperature Compensation:** Ensures accurate readings regardless of sample temperature.
- **Free Mobile App:** Integrates with the Meister App Suite (iOS & Android) for fermentation tracking, data monitoring, and optimal bottling time insights.
- **Bluetooth Connectivity:** Enables wireless data transfer to smartphones or tablets for real-time measurement monitoring and recording.



Figure 1: EasyDens Digital Hydrometer with accessories and mobile app interface.

## 2. SETUP

### 2.1 Unpacking and Components

Carefully unpack all components from the EasyDens packaging. Verify that all items listed below are present:

- EasyDens Digital Hydrometer unit
- 2x AA 1.5V LR6 alkaline batteries
- 1x plastic syringe (10 mL)
- 1x plastic luer cone
- 1x waste hose (3x5 mm)

# What's in the box



## **Batteries**

2x AA 1.5V LR6 alkaline batteries



## **Syringe**

1x plastic syringe 10 mL



## **Luer cone**

1x plastic luer cone



## **Waste hose**

1x waste hose 3x5 mm



Figure 2: What's in the box - EasyDens components.

## 2.2 Battery Installation

The EasyDens requires 2 AA batteries for operation. Locate the battery compartment on the device, open it, and insert the batteries according to the polarity indicators. Close the compartment securely.

## 2.3 Mobile App Installation

Download the "Meister App Suite" from your device's app store (available for iOS and Android). Ensure Bluetooth is enabled on your smartphone or tablet for seamless connection with the EasyDens device.

# For your beer, wine & spirits

## BEER BREWING

Extract content of wort & fermentation tracking  
in SG, °Plato and est. ABV

## WINE MAKING

Sugar content of grapes & fermentation tracking  
in °Brix, °Baumé, °Babo, °KMW, °Oechsle, °SMV and est. ABV

## DISTILLING

Alcohol content of spirits  
in %v/v, %w/w, Proof US and Proof UK



Figure 3: The Meister App Suite for various applications.

## 3. OPERATING INSTRUCTIONS

### 3.1 Performing a Measurement

Follow these steps to perform an accurate measurement with your EasyDens:

1. Ensure the EasyDens device is clean and dry.
2. Connect the syringe to the inlet port of the EasyDens and the waste hose to the outlet port.
3. Draw approximately 2 mL of your sample liquid into the syringe.
4. Carefully inject the sample into the EasyDens measuring cell until it is completely filled, ensuring no air bubbles are present.
5. Open the Meister App on your smartphone/tablet and connect to your EasyDens device via Bluetooth.
6. Initiate the measurement from the app. The device will perform the measurement and display the results (e.g., SG, Plato, Brix) along with the temperature.
7. Save the measurement to a batch within the app for tracking.

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Video 1: This video demonstrates the process of performing a measurement with the EasyDens device, including filling the measuring cell with a sample and initiating the reading via the mobile app.

### 3.2 Using the Mobile App

The Meister App Suite provides a comprehensive interface for managing your measurements:

- **Real-time Data:** View specific gravity, Plato, Brix, and temperature readings instantly.
- **Batch Tracking:** Create and manage different batches for your beer, wine, or spirits, tracking fermentation progress over time.
- **Automatic Calculations:** The app automatically calculates estimated ABV and attenuation based on your measurements.
- **Data Export:** Export your measurement data for further analysis or record-keeping.

## Smart device

Always up-to-date  
& state of the art with  
ever expanding in-app  
features like

- **Application-specific tools and calculations**
- **Automatic temperature compensation**
- **Device check**
- **News corner**

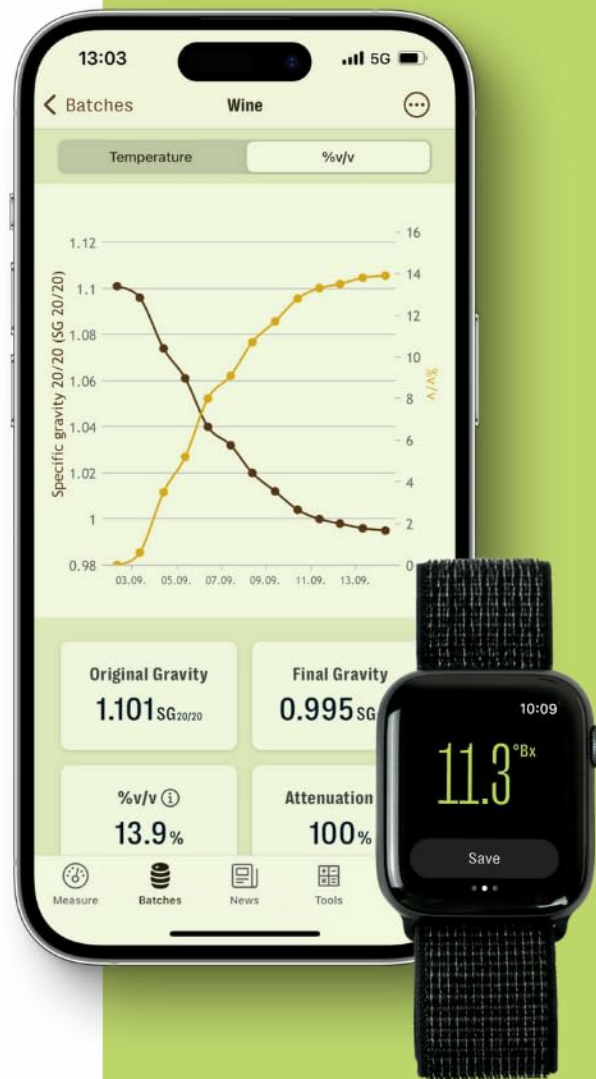


Figure 4: EasyDens mobile app interface for data visualization and management.

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Video 2: This video highlights the precision of the EasyDens digital density meter and its integration with the mobile app, showcasing automatic temperature

## 4. MAINTENANCE

### 4.1 Cleaning the EasyDens

Regular cleaning is crucial for maintaining the accuracy and longevity of your EasyDens device. After each measurement, especially with sugary or viscous samples, clean the measuring cell immediately.

1. Disconnect the syringe and waste hose.
2. Rinse the measuring cell thoroughly with distilled water using the syringe. Inject water until the cell is clear of any residue.
3. For stubborn residues, a mild cleaning solution recommended by Anton Paar can be used, followed by a thorough rinse with distilled water.
4. Allow the measuring cell to air dry completely or gently dry with a lint-free cloth.
5. The EasyDens is water-resistant (IP65), allowing for simple rinsing under a tap, but avoid submerging the entire device.

Proper cleaning prevents sample residue buildup, which can affect measurement accuracy.

## 5. TROUBLESHOOTING

### 5.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Device not connecting to app via Bluetooth	Bluetooth off, app glitch, device out of range, low battery	Ensure Bluetooth is on. Restart the app or phone. Check battery level. Move device closer to phone.
Inaccurate readings	Air bubbles in sample, dirty measuring cell, incorrect sample temperature	Ensure no air bubbles. Clean the measuring cell thoroughly. Allow sample to reach room temperature or ensure app's temperature compensation is active.
App not saving batch data	App permissions, storage issues, subscription limits	Check app permissions. Clear app cache/data. Note that some advanced features or unlimited batch tracking may require a subscription.

If you encounter persistent issues not covered here, please refer to the official Anton Paar support resources or contact customer service.

## 6. SPECIFICATIONS

- **Model Number:** 234929
- **Dimensions (Package):** 6.42 x 4.96 x 2.72 inches
- **Weight:** 1.1 Pounds
- **Batteries:** 2 AA batteries (included)
- **Manufacturer:** Anton Paar
- **Country of Origin:** Austria
- **Connectivity:** Bluetooth

- **Measurement Principle:** Oscillating U-tube glass measuring cell
- **Water Resistance:** IP65 (IEC 60529)

## 7. WARRANTY AND SUPPORT

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For detailed warranty information, product registration, and technical support, please visit the official Anton Paar website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** Anton Paar

For further assistance, you may refer to the official [Fact Sheet \(PDF\)](#) provided by the manufacturer.