



Adam CB 501 Portable Compact Balance User Manual

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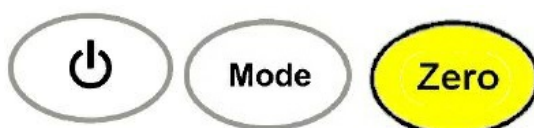
Adam CB 501 Portable Compact Balance



INTRODUCTION

- Each CB balance comes with 2 x AA batteries included. There is a choice of three capacities, each with three weighing units including grams, pounds and ounces, selectable by a Units key (grams only if the Mode key is not enabled). The bright backlit display enables operation in any degree of light, and the 304-grade stainless steel top pan offers protection against most materials and liquids. With easy calibration through the keypad the CB ensures correct and accurate weighing at all times.
- Always position the balance on a steady and level surface before use. Use the leveling feet and bubble indicator to adjust the balance to level.
- The display “E” indicates that the balance has been overloaded or damaged.
- The display “Lo” or flashing battery indicator symbol indicates that the batteries must be changed.
- Remove the cover on the underside of the balance to fit new batteries.

KEY OPERATIONS



- Power on/off key.

- Weighing mode selection key (if enabled) – g, oz, or lbs.
- A zero key is used to zero the balance or remove the weight of an empty container.

CALIBRATION

To calibrate the balance follow the instructions below.

1. Turn on the scale and zero it.
2. Press and hold MODE and →0← keys together for about 5 seconds until the display shows the value of the internal code.
3. Press MODE key once, and the display will show CALL→[xxxx], (where xxxx is the full capacity weight value).
4. Load calibration weight as per the displayed value and the scale will be automatically calibrated. After calibration, the scale will return to normal weighing mode. Calibration is now complete.

MODEL SPECIFICATIONS

Model	CB 501	CB 1001	CB 3000
Maximum Capacity	500g	1000g	3000g
Readability	0.1g	0.1g	1g
Units of Measure	grams (default), lbs and oz if the mode key is enabled		
Operating Temperature	0 – 40 degrees C		
Power Supply	2 x AA batteries or 6v DC 200ma Adaptor		
Calibration Mass	500g	1000g	3000g
Display	5 x 12mm/0.47 inches high digits		
Pan Size	130mm/5.1 inches diameter		
Overall Dimensions (w x d x h)	160 mm x 210mm x 65mm 6.3 in x 8.1 in x 2.6 in		
Net Weight	385 g / 0.85 lbs		

WARRANTY INFORMATION

- Adam Equipment offers a Limited Warranty (parts and labor) for the components that failed due to defects in materials or workmanship. Warranty starts from the date of delivery.
- During the warranty period, should any repairs be necessary, the purchaser must inform its supplier or Adam Equipment Company. The company or its authorized Technician reserves the right to repair or replace the components at any of its workshops depending on the severity of the problems. However, any freight involved in sending the faulty units or parts to the service center should be borne by the purchaser.
- The warranty will cease to operate if the equipment is not returned in the original packaging and with the correct documentation for a claim to be processed. All claims are at the sole discretion of Adam Equipment.
- This warranty does not cover equipment where defects or poor performance is due to misuse, accidental damage, exposure to radioactive or corrosive materials, negligence, faulty installation, unauthorized modifications or attempted repair or failure to observe the requirements and recommendations as given in this User Manual. Additionally, rechargeable batteries (where supplied) are not covered under warranty.

- Repairs carried out under the warranty do not extend the warranty period. Components removed during the warranty repairs become the company property.
- The statutory right of the purchaser is not affected by this warranty. The terms of this warranty are governed by UK law. For complete details on Warranty Information, see the terms and conditions of sale available on our website.

WEEE 2012/19/EU

This device may not be disposed of in domestic waste. This also applies to countries outside the EU, per their specific requirements. Disposal of batteries (if fitted) must conform to local laws and restrictions.

FCC / IC CLASS A DIGITAL DEVICE EMC VERIFICATION STATEMENT

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules and Canadian ICES-003/NMB-003 regulation. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CALIFORNIA PROPOSITION 65 - MANDATORY STATEMENT

WARNING: This product includes a sealed lead-acid battery that contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Adam Equipment products have been tested with, and are always supplied with mains power adaptors that meet all legal requirements for the intended country or region of operation, including electrical safety, interference, and energy efficiency. As we often update adaptor products to meet changing legislation it is not possible to refer to the exact model in this manual. Please contact us if you need specifications or safety information for your particular item. Do not attempt to connect or use an adaptor not supplied by us.

ADAM EQUIPMENT is an ISO 9001:2008 certified global company with more than 40 years of experience in the production and sale of electronic weighing equipment. Adam products are predominantly designed for the Laboratory, Educational, Health and Fitness, Retail and Industrial Segments. The product range can be described as follows:

- Analytical and Precision Laboratory Balances
- Compact and Portable Balances
- High Capacity Balances
- Moisture analyzers/balances
- Mechanical Scales
- Counting Scales
- Digital Weighing/Check-weighing Scales
- High-performance Platform Scales
- Crane scales
- Mechanical and Digital Electronic Health and Fitness Scales -Retail Scales for Price Computing

For a complete listing of all Adam products visit our website at www.adamequipment.com

<p>Adam Equipment Co. Ltd. Maidstone Road, Kingston Milton Keynes</p> <p>MK10 0BD UK</p> <p>Phone: +44 (0)1908 274545</p> <p>Fax: +44 (0)1908 641339</p> <p>e-mail: sales@adamequipment.co.uk</p>	<p>Adam Equipment Inc.</p> <p>1, Fox Hollow Rd.</p> <p>06478</p> <p>USA</p> <p>Phone: +1 203 790 4774</p> <p>Fax: +1 203 792 3406</p> <p>e-mail: sales@adamequipment.com</p>	<p>AE Adam GmbH. Instenkamp 4 D-2424 2 Felde</p> <p>Germany</p> <p>Phone +49 (0)4340 40300 0</p> <p>Fax: +49 (0)4340 40300 20</p> <p>e-mail: sales@adamequipment.co.za</p>
<p>Adam Equipment S.A. (Pty) Ltd.</p> <p>7 Megawatt Road,</p> <p>Spartan EXT 22 Kempton Park, Johannesburg,</p> <p>Republic of South Africa</p> <p>Phone +27 (0)11 974 9745</p> <p>Fax: +27 (0)11 392 2587</p> <p>e-mail: sales@adamequipment.co.za</p>	<p>Adam Equipment (S.E. ASIA) PTY Ltd</p> <p>2/71 Tacoma Circuit CANNING VALLEY 6155</p> <p>Perth Western Australia</p> <p>Phone: +61 (0) 8 6461 6236</p> <p>Fax +61 (0) 8 9456 4462</p> <p>e-mail: sales@adamequipment.com.au</p>	<p>Adam Equipment (Wuhan) Co. Ltd.</p> <p>A Building East Jianhua Private Industrial Park Zhuanyang Avenue</p> <p>Wuhan Economic & Technological Development Zone</p> <p>430056 Wuhan P.R.China</p> <p>Phone: + 86 (27) 59420391</p> <p>Fax + 86 (27) 59420388</p> <p>e-mail: info@adamequipment.com.cn</p>

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The latest version of this publication can be found on our Website. www.adamequipment.com

FREQUENTLY ASKED QUESTIONS

What is the Adam CB 501 Portable Compact Balance?

The Adam CB 501 is a portable compact balance designed for precise weighing in various applications. It is a lightweight and easy-to-use balance that provides accurate measurements for users on the go.

What is the maximum weight capacity of the CB 501 balance?

The Adam CB 501 Portable Compact Balance typically has a maximum weight capacity of 500 grams or another specified capacity. Refer to the product specifications for the exact weight capacity of the specific model.

Is the CB 501 balance suitable for fieldwork and portable applications?

Yes, the Adam CB 501 Portable Compact Balance is designed for portability and is suitable for fieldwork and various portable weighing applications. It is compact and lightweight, making it easy to transport and use in different settings.

What is the readability or precision of the CB 501 balance?

The readability or precision of the Adam CB 501 balance is typically specified in grams (g) or another unit of measurement. Check the product specifications for detailed information on the balance's readability.

Does the CB 501 balance have a tare function?

Yes, the Adam CB 501 Portable Compact Balance is typically equipped with a tare function. This feature allows users to reset the balance to zero after placing a container or additional items on the weighing pan, ensuring accurate measurements of the net weight.

What units of measurement are supported by the CB 501 balance?

The Adam CB 501 balance typically supports multiple units of measurement, including grams (g), ounces (oz), carats (ct), and more. Users can choose the desired unit based on their specific weighing needs.

Is the CB 501 balance equipped with a stainless steel weighing pan?

Yes, the Adam CB 501 Portable Compact Balance often features a stainless steel weighing pan. This material is durable, easy to clean, and suitable for various weighing applications.

What is the power source for the CB 501 balance?

The power source for the Adam CB 501 Portable Compact Balance can vary. Some models may operate on batteries, while others may have an AC power option. Check the product specifications for information on the power source and any available battery-saving features.

Does the CB 501 balance have an auto-off feature for power saving?

Yes, the Adam CB 501 balance typically includes an auto-off feature to save power. This function automatically turns off the balance after a period of inactivity, extending the battery life and promoting energy efficiency.

Is the CB 501 balance equipped with an LCD display?

Yes, the Adam CB 501 Portable Compact Balance is commonly equipped with an LCD display that provides clear visibility of weight readings. Check the product specifications for details on the display characteristics, such as size and readability.

Can the CB 501 balance be calibrated?

Yes, the Adam CB 501 balance can be calibrated to ensure accurate weighing results. Calibration procedures may vary, and it is recommended to follow the guidelines provided in the user manual or contact the manufacturer for calibration instructions.

Is the CB 501 balance legal for trade or certified?

The certification status of the Adam CB 501 Portable Compact Balance can vary. Some models may be certified as legal for trade, meaning they meet specific requirements for commercial transactions by weight. Check the product specifications or certification labels for details.

What is the operating temperature range of the CB 501 balance?

The operating temperature range of the Adam CB 501 balance is specified by the manufacturer. It is important to use the balance within the recommended temperature range to ensure accurate and reliable measurements. Refer to the product documentation for detailed temperature specifications.

Can the CB 501 balance be used for educational purposes?

Yes, the Adam CB 501 Portable Compact Balance is suitable for educational purposes. It is often used in laboratories, classrooms, and other educational settings for teaching and demonstrating weighing principles.

What is the warranty coverage for the CB 501 balance?

The warranty for the Adam CB 501 Portable Compact Balance typically ranges from 1 year to 5 years.

Is the CB 501 balance resistant to environmental factors such as dust and moisture?

The resistance to environmental factors such as dust and moisture can vary. Check the product specifications or documentation for information on the environmental protection features of the Adam CB 501 Portable Compact Balance.

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References

- [User Manual](#)

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