



# ANSMANN LR55 Energy Check LCD Instruction Manual

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**ANSMANN LR55 Energy Check LCD**



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## THANK YOU

**Dear Customer,** many thanks for choosing this charger from ANSMANN. These operating instructions will help you to get the best from the features of your new charger. We hope you enjoy using this new charger. Your ANSMANN Team

### USE OF THE ENERGY CHECK LCD

This is a high quality tester designed to test popular primary batteries and rechargeable batteries. By using "CAM Technology"\* the capacity of the cell under test will be indicated accurately in only two seconds. \* Computer Aided Measurement

## SAFETY INSTRUCTIONSE



- Please read the operating instructions before use.
- Keep the equipment in a dry place. § Only for use within this specification.
- Do not subject the equipment to high temperatures or to high humidity.
- To clean the device, please disconnect the internal 9V block battery.
- Only use a dry cloth for cleaning.
- Keep out of reach of children.

If the safety instructions are not followed, this may cause damage to the device or serious injury to the user.

## **FEATURES**

- Reliable battery tester for common cell types.
- Ultra fast testing.
- Indicates the cell capacity in 10% steps.
- Indicates the battery voltage in V.

## **THE FOLLOWING CELLS CAN BE TESTED:**

**1,5V Alkaline-Batteries:** AAA Micro / AA Mignon / C Baby / D Mono

**1,2V NiMH/NiCd-rechargeable batteries:** AAA Micro / AA Mignon / C Baby / D Mono

**1,5V Lithium-Batteries:** AAA (Micro) / AA (Mignon)

**9V Alkaline-Batteries:** 9V Block (E)

**12V Alkaline-Batteries:** A23 / A27

**1,5V Alkaline-button cells:** LR41 / LR43 / LR44 / LR45 / LR48 / LR50 / LR52 LR53 / LR54 / LR55 / LR57 / LR58 / LR59 / LR60 LR63 / LR66 / LR69

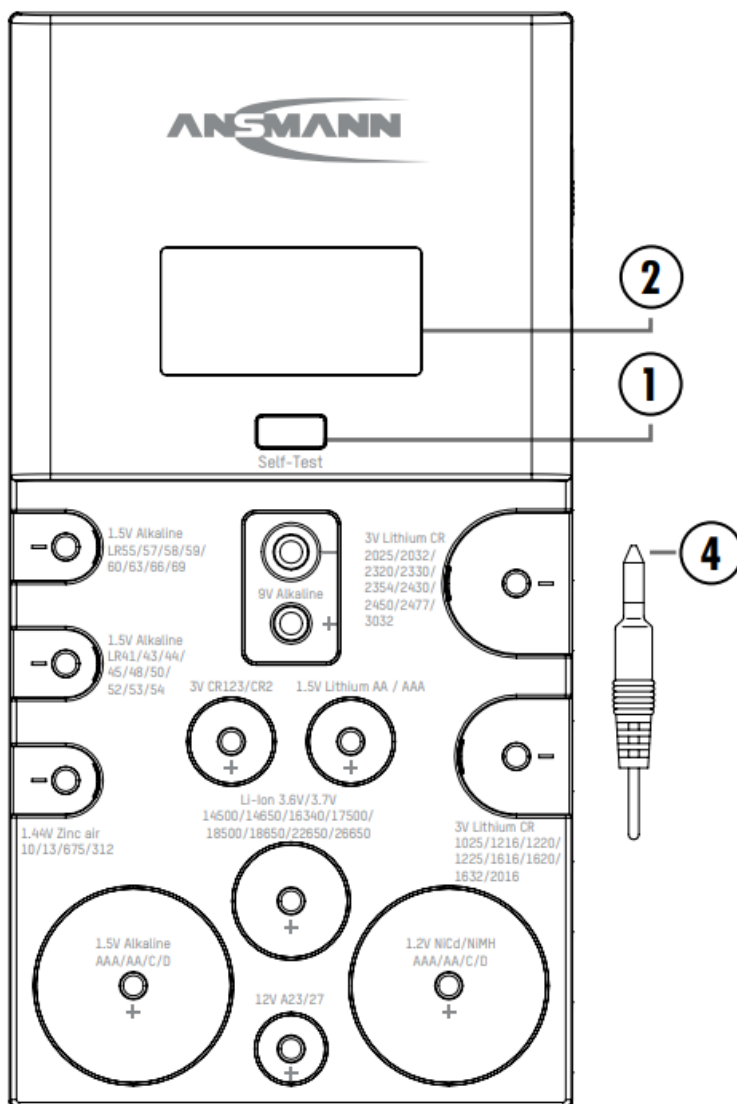
**1,44V Zinc-Air-button cells:** 10 / 13 / 675 / 312

**3V Lithium-button cells:** CR1025 / CR1216 / CR1220 / CR1616 / CR1620 CR1632 / CR2016 / CR2025 / CR2032 / CR2320 CR2330 / CR2354 / CR2430 / CR2450 / CR2477 CR3032

**3V Lithium-Photo-Batteries:** CR2 / CR123 (A) 3,6V/3,7V

**Li-Ion-rechargeable batteries:** 14500 / 14650 / 16340 / 17500 / 18500 18650 / 22650 / 26650

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### **LCD-DISPLAY(2):**

“**CALC**”: Measurement (Calculation)

“**80 %**”: Cell capacity in 10%-steps.

“**1.53 V**”: Cell voltage in volts.

“**Err**”: Error.

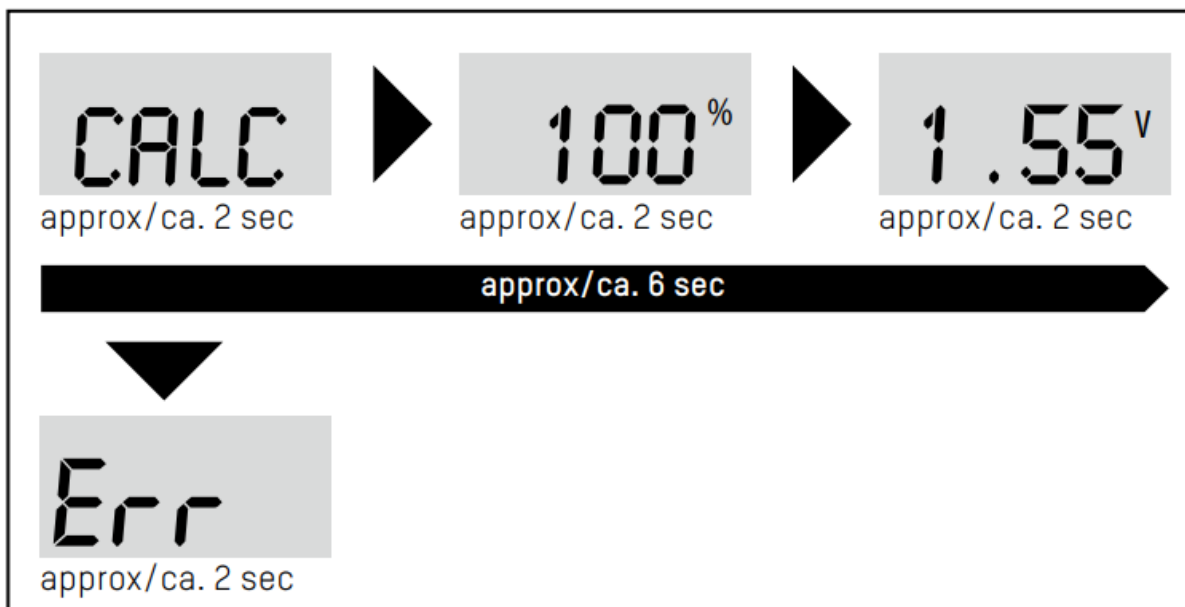
### **OPERATION:**

The device requires a 9V battery for power (supplied). To fit, open the battery compartment on the back of the device, and snap the battery into the appropriate contacts. Close the battery compartment.

Push the button “Self-test” (1) for approximately two seconds to check the capacity of the inserted battery.

Because a nearly empty 9V battery may affect the test result, we recommend replacement of the battery if the capacity is  $\leq 20\%$ !

### **Measurement**



### HOW TO MAKE MEASUREMENTS:

There are no settings necessary to test cells.

1. Select the appropriate test terminal for the battery under test (see table (3))
2. Place the battery on the test terminals, paying attention to the polarity.  
(Both contacts must be connected)  
An additional test pin (4) should be used if testing cylindrical cells.  
This test pin must connect to the minus pole of the cylindrical cell!
3. Please connect the battery for approximately two seconds. The display shows **"CALC"**
4. The capacity of the cell will be shown in 10 % steps for approximately two seconds.
5. The voltage of the cell will be shown in volts for approximately two seconds.





#### **IMPORTANT TIPS FOR BETTER TESTING:**

- When testing cylindrical cells please push the test pin with high pressure to the battery to guarantee a correct measurement.
- Please ensure that the contacts of the test terminals and the contacts of the cells are clean.
- With a new battery it is possible that the full capacity may not be shown.
- The cell needs to “wake up”. Please test again.

#### **IN CASE OF PROBLEMS:**

##### **“Err”:**

- Incomplete measurement. Please connect the cell for approximately two seconds.

- With a deeply discharged cell the display may switch from “CALC” to “Err”.

#### **NO DISPLAY:**

- The internal 9V block battery is not inserted, or not connected.
- The internal 9V block has low voltage. (Please test with the button “Self – test” (1))
- The cell under test is deeply discharged.
- The cell under test is defective (High resistance etc.)

#### **DISPOSAL**



■ Dispose of the product in accordance with legal provisions. The “waste bin” symbol indicates that, in the EU, it is not permitted to dispose of electrical equipment in household waste. Use the return and collection systems in your area or contact the retailer from whom you purchased the product.



Batteries and rechargeable batteries are special waste and shall not be disposed of in the normal household waste. Always hand used batteries and rechargeable batteries in to the collection point intended for this. In this way you will fulfil your legal obligations and contribute to environmental protection.

#### **LIABILITY DISCLAIMER**

The information contained within these operating instructions can be changed without prior notification. ANSMANN accepts no liability for direct, indirect, incidental or other damage or consequential damage arising through improper handling or through disregard of the information contained within these operating instructions. We accept no liability or warranty claims or guarantee claims in the event of incorrect use of the product.

#### **WARRANTY NOTICE**

The device has a two-year guarantee. The guarantee does not apply to damage to the device arising through a failure to comply with the operating instructions.

Your statutory warranty rights are not affected by this.

**You can find our warranty conditions, support & FAQs online at: [www.ansmann.de](http://www.ansmann.de)**

Subject to technical changes. We assume no liability for printing errors.

CE The product complies with the requirements from the relevant EU directives.

#### **CUSTOMER SUPPORT**

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#### **Documents / Resources**

	<p><a href="#">ANSMANN LR55 Energy Check LCD</a> [pdf] Instruction Manual</p> <p>LR55, LR57, LR58, LR59, LR60, LR63, LR66, LR69, CR2025, CR2032, CR2320, CR2330, 2354, 2430, 2450, 2477, 3032, LR55 Energy Check LCD, LR55, Energy Check LCD, Check LCD</p>
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## References

- [^ ANSMANN AG - We bring products to life](#)
- [User Manual](#)

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