

Hermle 2214

Hermle 2214 Quartz Pendulum Movement Instruction Manual

Model: 2214 | Brand: Hermle

INTRODUCTION

The Hermle 2214 Quartz Pendulum Movement is a high-quality component designed for both new clock construction and the replacement of existing clock mechanisms. Manufactured in Germany, this movement offers reliable timekeeping and features an electronic chime with selectable melodies. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance of your clock.

PRODUCT FEATURES

- **Precision and Reliability:** Engineered for accurate timekeeping and long-lasting durability.
- **Easy Installation:** Designed for straightforward mounting using a single central screw.
- **Selectable Chimes:** Offers two distinct electronic chime melodies:
 - Westminster 4/4 chime (counts hours)
 - Bim Bam chime (sounds at half-hours and full hours)
- **Adjustable Volume:** Chime volume can be set to 100%, 50%, or 0% (silent).
- **Night Volume Reduction:** Option to reduce chime volume during nighttime hours.
- **Integrated Speaker:** Includes a 66mm diameter speaker with a clip-on side mount.
- **Integrated Hanging Device:** For easy wall clock mounting.
- **German Engineering:** Manufactured in Germany, ensuring high standards of quality.

PACKAGE CONTENTS

Please verify that all the following components are included in your package:

- 1 x Hermle 2214 Quartz Pendulum Movement
- 1 x Speaker (Ø 66 mm) with clip-on side mount
- 1 x Integrated hanging device
- Mounting accessories:

- 1 x Central screw
- 1 x Second hand
- 1 x Hand nut (if necessary)
- 2 x Rubber washers

Note: Clock hands (hour and minute) and pendulum are not included and must be purchased separately. Compatible hands should be up to a maximum of 120mm, and the second hand up to 80mm.



An image showing the Hermle 2214 quartz pendulum movement, including the main mechanism, the attached speaker, and various small mounting components like screws and washers.

SETUP AND INSTALLATION

1. **Prepare the Clock Case:** Ensure your clock case or mounting surface has a suitable opening for the movement. The mounting diameter for the movement is 120 mm. The maximum dial thickness supported is 9 mm.
2. **Insert the Movement:** Carefully insert the Hermle 2214 movement into the clock case from the rear.

3. **Secure the Movement:** Use the provided central screw to secure the movement firmly in place. The installation is designed to be very simple with this single screw.
4. **Attach the Speaker:** Connect the speaker to the movement using its clip-on side mount. Position the speaker appropriately within the clock case for optimal sound projection.
5. **Install Hands:** Mount the hour, minute, and second hands onto the hand shafts. The hand shaft length is 17.5 mm (15 mm without the second hand). Ensure the hands are aligned correctly at the 12 o'clock position before securing them. Use the hand nut if required.
6. **Insert Batteries:** The movement requires one 1.5V AA battery (not included). Open the battery compartment, insert the battery according to the polarity markings (+/-), and close the compartment.
7. **Set the Time:** Use the time-setting knob on the back of the movement to set the correct time. Rotate the knob clockwise until the desired time is displayed.
8. **Synchronize Chimes (if applicable):** If your clock has chimes, it may be necessary to synchronize the chime with the time. This typically involves setting the time to 12:00, allowing the chime to strike, and then adjusting the minute hand to the correct time. Refer to the operation section for detailed chime settings.

OPERATION

Setting the Time

To set the time, gently turn the time-setting knob located on the back of the movement. Always turn the knob clockwise to advance the hands. Avoid turning the hands directly, as this may damage the mechanism.

Chime Selection

Your Hermle 2214 movement offers two chime melodies. A selector switch on the movement allows you to choose between:

- **Westminster Chime:** Plays a full 4/4 melody and counts the hours.
- **Bim Bam Chime:** Strikes once at the half-hour and counts the hours at the full hour.

Volume Control

The chime volume can be adjusted using the volume control switch. Available settings are 100% (full volume), 50% (reduced volume), and 0% (silent mode). Select the desired volume level according to your preference.

Night Volume Reduction

The movement includes a feature to reduce the chime volume during nighttime hours. Consult the specific markings on your movement for the night mode setting. This feature automatically lowers the volume or silences the chime during a predefined period, typically from 10 PM to 5 AM.

MAINTENANCE

Battery Replacement

When the clock begins to lose time, the chimes become weak, or the movement stops, it is time to replace the battery. Open the battery compartment, remove the old 1.5V AA battery, and insert a new one, ensuring correct polarity. Dispose of used batteries responsibly.

General Care

Keep the movement free from dust and moisture. Do not attempt to lubricate the movement, as it is designed to operate without additional lubrication. Avoid exposing the clock to extreme temperatures or direct sunlight, which can affect battery

life and movement accuracy.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Clock not running or losing time	Dead or weak battery; improperly installed battery.	Replace the 1.5V AA battery with a fresh one, ensuring correct polarity.
Chimes are weak or absent	Low battery; volume set to 0%; speaker connection issue.	Replace battery. Check volume setting. Ensure speaker is securely connected.
Chimes are out of sync with the time	Incorrect synchronization during setup.	Advance the time to 12:00. Allow the chime to strike. Then, using the time-setting knob, carefully adjust the minute hand to the correct time. Some movements may require removing the minute hand, setting the time to 12:00, allowing the chime to strike, and then reattaching the minute hand at the correct time.
Hands are stuck or not moving smoothly	Hands are bent or touching each other/the dial; obstruction.	Carefully adjust the hands to ensure they do not touch each other or the clock dial. Remove any obstructions.

SPECIFICATIONS

Brand	Hermle
Model	2214
Movement Type	Quartz Pendulum Movement
Power Source	1.5V AA Battery (not included)
Display Type	Analog
Product Dimensions (L x H)	11.2 cm x 2.7 cm
Mounting Diameter	120 mm
Max. Dial Thickness	9 mm
Hand Shaft Length	17.5 mm (15 mm without second hand)
Speaker Diameter	66 mm

Material	Plastic
Indoor/Outdoor Use	Indoor
Special Feature	Quiet operation / Silent chime option

WARRANTY AND SUPPORT

The Hermle 2214 Quartz Pendulum Movement comes with a limited warranty. For specific details regarding the warranty period and coverage, please refer to the documentation provided with your purchase or contact the retailer. For technical support or further assistance, please reach out to your point of purchase or the official Hermle customer service channels.

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