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PROXXON 23347

PROXXON 23347 Micro Click Torque Screwdriver MC 5 User Manual

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1. INTRODUCTION

This manual provides essential information for the safe and effective use of your PROXXON 23347 Micro Click Torque Screwdriver MC 5. This precision tool is designed for accurately applying torque to screws within a range of 1.0 to 5.0 Newton meters (Nm). It features a clearly audible and detectable 'click' mechanism that signals when the preset torque value has been reached, ensuring high repeatability with an accuracy of plus/minus 6 percent. The screwdriver is equipped with a 1/4-inch drive for standard bits, which are securely held in a spring-release chuck. Please read this manual thoroughly before operating the device.



Figure 1: PROXXON 23347 Micro Click Torque Screwdriver MC 5. This image shows the complete torque screwdriver with its ergonomic handle and clear scale for torque adjustment.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury and damage to the tool or workpiece:

- Read and understand all instructions before using the torque screwdriver.
- Wear appropriate personal protective equipment, such as safety glasses, when operating tools.
- Ensure the workpiece is securely clamped or held to prevent movement during torque application.
- Do not exceed the maximum torque capacity of 5.0 Nm. Over-torquing can damage the fastener, workpiece, or the tool itself.
- Do not use the torque screwdriver as a standard screwdriver for loosening seized fasteners. It is a precision measuring tool.
- Keep the tool clean and free from oil, grease, and other contaminants that could affect its accuracy or your grip.
- Store the tool in its protective case when not in use to prevent damage and maintain calibration.

- Keep out of reach of children.

3. PACKAGE CONTENTS

Upon opening the sturdy plastic case, verify that all components are present and undamaged:

- PROXXON 23347 Micro Click Torque Screwdriver MC 5
- Assortment of 1/4-inch drive bits
- Sturdy plastic storage case

If any items are missing or damaged, please contact your retailer or PROXXON customer support immediately.

4. SETUP

Before first use, and for each application, proper setup is crucial for accurate torque application.

1. **Select the Correct Bit:** Choose the appropriate 1/4-inch drive bit for your fastener. Ensure the bit is in good condition and fits the fastener head precisely to prevent cam-out and damage.
2. **Insert the Bit:** The screwdriver features a spring-release chuck. Pull back the collar, insert the chosen 1/4-inch bit into the drive, and release the collar to secure the bit. Ensure the bit is fully seated and locked into place.
3. **Set the Torque Value:** The torque screwdriver has a clear and easy-to-read scale. Rotate the handle to align the desired torque value (between 1.0 and 5.0 Nm) with the indicator mark on the barrel. Ensure the setting is locked if your model features a locking mechanism. Double-check the setting before proceeding.

5. OPERATING INSTRUCTIONS

Follow these steps for accurate and consistent torque application:

1. **Prepare the Fastener:** Ensure the fastener and its mating thread are clean and free from debris or corrosion. Apply any specified lubricants if required by the fastener manufacturer.
2. **Position the Tool:** Place the selected bit firmly into the head of the fastener. Apply steady, axial pressure to keep the bit engaged.
3. **Apply Torque:** Rotate the screwdriver handle clockwise (for right-hand threads) with a smooth, continuous motion. Avoid jerky movements.
4. **Detect the Click:** Continue rotating until you hear and feel a distinct 'click'. This indicates that the preset torque value has been reached.
5. **Stop Immediately:** Once the click is detected, stop applying force immediately. Further rotation will over-torque the fastener.
6. **Remove the Tool:** Carefully remove the torque screwdriver from the fastener.

For optimal accuracy, always pull the screwdriver slowly and steadily. Rapid application of force can lead to inaccurate readings.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your PROXXON Micro Click Torque Screwdriver MC 5.

- **Cleaning:** After each use, wipe the tool with a clean, dry cloth to remove any dirt, oil, or grease. Do not use harsh solvents or abrasive cleaners, as these can damage the finish or internal components.

- **Storage:** Store the torque screwdriver in its original sturdy plastic case when not in use. This protects it from dust, moisture, and accidental impacts. Store in a dry environment.
- **Calibration:** Torque tools are precision instruments and may require periodic calibration to maintain their accuracy. The frequency of calibration depends on usage and environmental conditions. Consult a qualified calibration service if you suspect inaccuracy or after significant use.
- **Avoid Dropping:** Dropping the tool can severely affect its calibration and internal mechanism. Handle with care.

7. TROUBLESHOOTING

If you encounter issues with your torque screwdriver, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No audible/detectable 'click'	Torque setting too low for application; tool malfunction; improper grip/speed.	Verify torque setting is appropriate. Ensure smooth, steady pull. If problem persists, tool may require calibration or service.
Inaccurate torque application	Incorrect torque setting; worn bit; tool out of calibration; improper technique.	Double-check torque setting. Replace worn bits. Ensure proper technique (smooth pull, stop at click). Consider professional calibration.
Bit not holding securely	Bit not fully inserted; chuck mechanism dirty or damaged.	Ensure bit is fully seated and collar is released. Clean chuck mechanism. If damaged, seek professional repair.

For issues not covered here, or if solutions do not resolve the problem, please contact PROXXON customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	23347
Brand	PROXXON
Torque Range	1.0 - 5.0 Nm (Newton meters)
Accuracy	± 6%
Drive Size	1/4-inch square drive
Bit Retention	Spring release chuck
Material	Plastic (handle), Metal (body)
Item Weight	0.38 Kilograms (380 g)
Product Dimensions (LxWxH)	8 x 2 x 2 cm
Country of Origin	Germany

9. WARRANTY AND SUPPORT

For information regarding the warranty period and terms for your PROXXON 23347 Micro Click Torque Screwdriver MC 5, please refer to the warranty card included with your purchase or visit the official PROXXON website.

Warranty details may vary by region and retailer.

For technical support, service, or spare parts, please contact your authorized PROXXON dealer or the PROXXON customer service department. Contact information can typically be found on the PROXXON website or in your product packaging.

PROXXON Official Website: www.proxxon.com

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