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Kynup 170-2

Kynup Digital Caliper Instruction Manual

Model: 170-2 (6Inch/150mm Silver)

Introduction

This manual provides detailed instructions for the safe and effective operation, maintenance, and troubleshooting of your Kynup Digital Caliper. Designed for precision measurement, this tool offers high accuracy and versatility for various applications.

Product Features

- **Precise & Accurate:** Measurement range of 0-6 inches / 0-150 mm with an accuracy of ±0.001 ”/0.02mm and resolution of 0.0005"/0.01mm.
- **Multi-Unit Conversion:** Easily switch between inches, millimeters, and fractions with a single button press.
- **Four Measuring Ways:** Capable of measuring external diameter, internal diameter, depth, and step dimensions.
- **Durable Construction:** Constructed from IP54 splash-proof stainless steel, offering anti-rust properties and a strong frame with a lockable head. The housing is made of metal with a silver paint finish.
- **Auto Shut-Off:** Automatically turns off after 5 minutes of inactivity to conserve battery life.
- **Ergonomic Design:** Features a non-slip, ergonomic metal housing for comfortable and secure handling.



Figure 1: The Kynup Digital Caliper is designed with IP54 protection, making it resistant to water splashes and dust, and is built from anti-corrosion stainless steel for durability.



Figure 2: This image illustrates the long-lasting 3V CR2032 environmental battery, the precise digital display for accurate measurements, and the IP54 waterproof, dustproof, and oil-proof design of the caliper's metal housing.

Components

Your Kynup Digital Caliper package includes the following items:

- 1 x Stainless Steel Digital Caliper
- 1 x Protective Case
- 3 x 3V Button Cell Batteries (1 installed, 2 spare)
- 1 x Screwdriver (for battery compartment)



Figure 3: The complete package contents, including the digital caliper, its protective storage case, two spare batteries, and a small screwdriver for battery replacement.

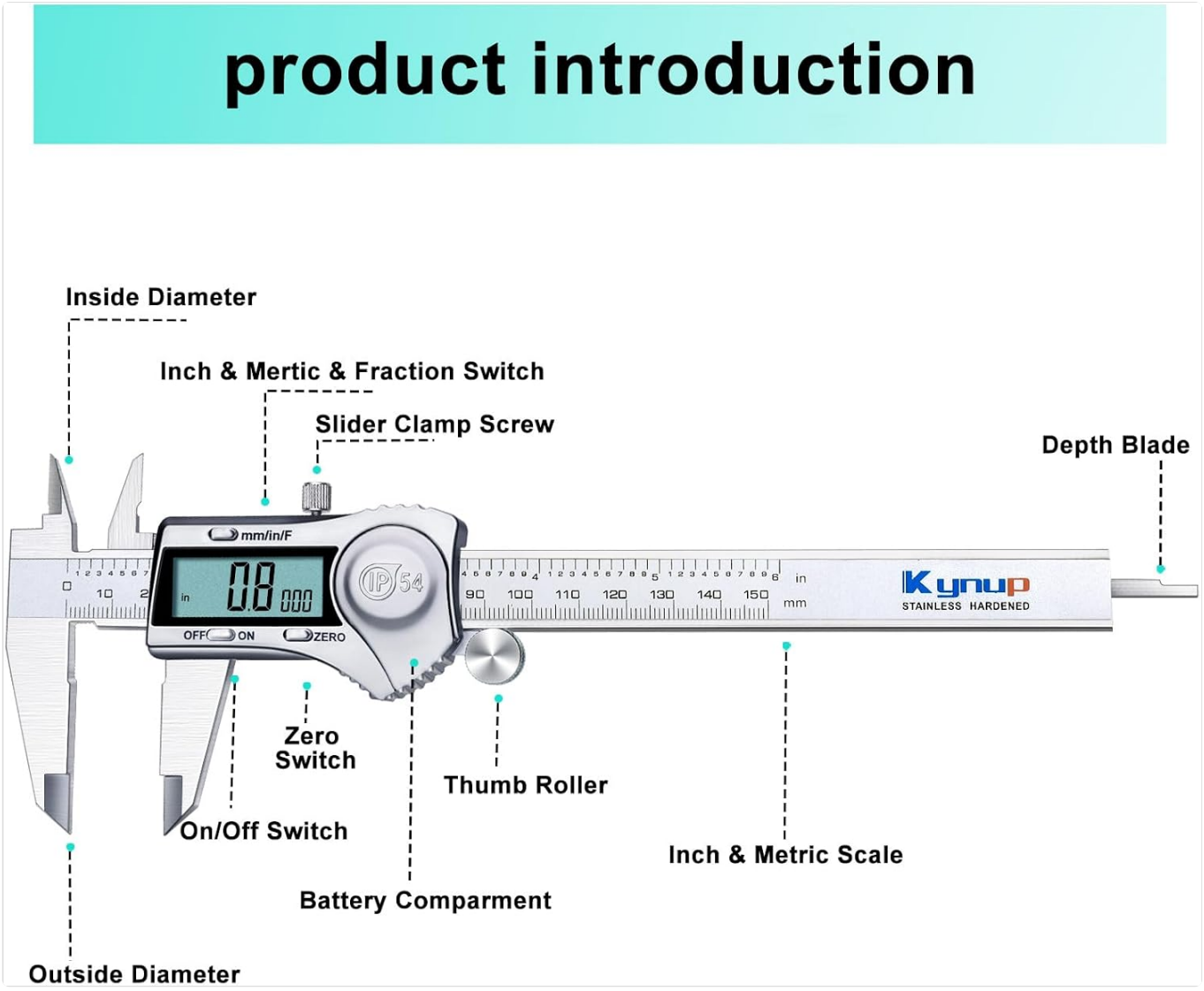


Figure 4: A detailed diagram illustrating the various parts of the digital caliper, such as the inside diameter jaws, inch & metric/fraction switch, slider clamp screw, depth blade, outside diameter jaws, on/off switch, zero switch, thumb roller, battery compartment, and inch & metric scale.

Setup

Battery Installation

Your caliper comes with one battery pre-installed and two spare batteries. If the display does not turn on or is dim, you may need to replace the battery.

1. Locate the battery compartment cover on the digital display unit.
2. Use the provided small screwdriver to loosen the screw on the battery compartment cover.
3. Carefully remove the cover.
4. Insert a new 3V button cell (CR2032) battery with the positive (+) side facing up.
5. Replace the battery compartment cover and tighten the screw.

Operating Instructions

Power On/Off

- Press the **ON/OFF** button to turn the caliper on.
- The caliper will automatically turn off after 5 minutes of inactivity.

Unit Conversion

- Press the **mm/in/F** button to cycle through millimeter (mm), inch (in), and fraction (F) display modes.

Zero Calibration

- Close the measuring jaws completely.
- Press the **ZERO** button to set the display to zero at any position. This allows for differential measurements.

Measuring Methods

The Kynup Digital Caliper supports four primary measurement types:

1. **External Diameter Measurement:** Use the large jaws on the bottom to measure the outside dimensions of an object.
2. **Internal Diameter Measurement:** Use the small jaws on the top to measure the inside dimensions of an object.
3. **Depth Measurement:** Use the depth rod at the end of the sliding jaw to measure the depth of holes or steps.
4. **Step Measurement:** Use the step measuring faces to measure the distance between two surfaces at different levels.



Figure 5: This image demonstrates the four versatile measuring capabilities of the digital caliper: measuring outside diameter, inside diameter, depth, and step dimensions.

Maintenance

- Keep the caliper clean and dry. Wipe the measuring surfaces with a clean, dry cloth after each use.
- Avoid exposing the caliper to direct sunlight, high humidity, or extreme temperatures.
- Store the caliper in its protective case when not in use to prevent damage.
- Do not apply excessive force or drop the caliper, as this can affect its accuracy.

Troubleshooting

Inaccurate Readings

- If you find the readings are not accurate, slide the LCD screen to the left end ("0" on the scale), and then press the **ZERO** button.
- Ensure the measuring surfaces are clean and free from dust or debris.
- Check the battery level. A low battery can affect accuracy. Replace if necessary.

Specifications

Feature	Detail
Brand	Kynup
Model Number	170-2
Material	Stainless Steel
Measuring Range	0-6 inches / 0-150 mm
Accuracy	±0.001 ”/0.02mm (<100mm), ±0.001 ”/0.03mm (>100-200mm)
Resolution	0.0005 ”/0.01mm
Protection	IP54 Splash Proof
Battery Type	3V Button Cell (CR2032)
Auto Shut-Off	After 5 minutes of inactivity
Product Dimensions	9.5"L x 3.5"W x 0.6"H (approx.)
Item Weight	13.7 ounces

Warranty and Support

Kynup products are manufactured to high-quality standards. This product is typically covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty details, claims, or technical support, please refer to the warranty information included with your purchase or contact Kynup customer service directly. For further assistance, please visit the official Kynup Store on Amazon:Kynup Amazon Store.

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