## HOZO N01-U

# NeoRuler Digital Caliper Kit Premium Combo Instruction Manual

**Brand:** HOZO

**Model:** N01-U

## Product Overview

The NeoRuler Digital Caliper Kit Premium Combo is a versatile measuring tool designed for precision in various applications, including 3D printing, DIY projects, model building, woodworking, and carpentry. This kit includes the NeoCaliper, NeoReading Kit, NeoDrafting Kit, and a Pro Protection Case. It features a durable frame made of high-pressure aluminum alloy and stainless steel, an LCD screen for clear readings, and a blue linear light during measurement. The device offers a measuring range of 0-10.6 inches (270mm) with an accuracy of ±0.004 inches (0.1mm). It comes with 93 built-in US Imperial and Metric scales and allows for the customization of infinite additional scales. The NeoRuler is equipped with built-in rechargeable batteries and supports USB-C charging. It can connect via Bluetooth to the MEAZOR APP for data transfer and custom scale management. When the caliper module is removed, the NeoRuler functions as a 12-inch digital ruler.



Image: The NeoRuler Digital Caliper Kit Premium Combo, showing the main unit, caliper module, various accessories, and the protective carrying case.

## Setup

### Package Contents

Verify that all components are present in your NeoRuler Premium Combo kit:

- NeoRuler Main Unit
- NeoCaliper Module
- NeoReading Kit
- NeoDrafting Kit
- Pro Protection Case
- 2 Screwdrivers (for installation/removal)
- USB-C Charging Cable (not explicitly listed but implied by USB-C charge)

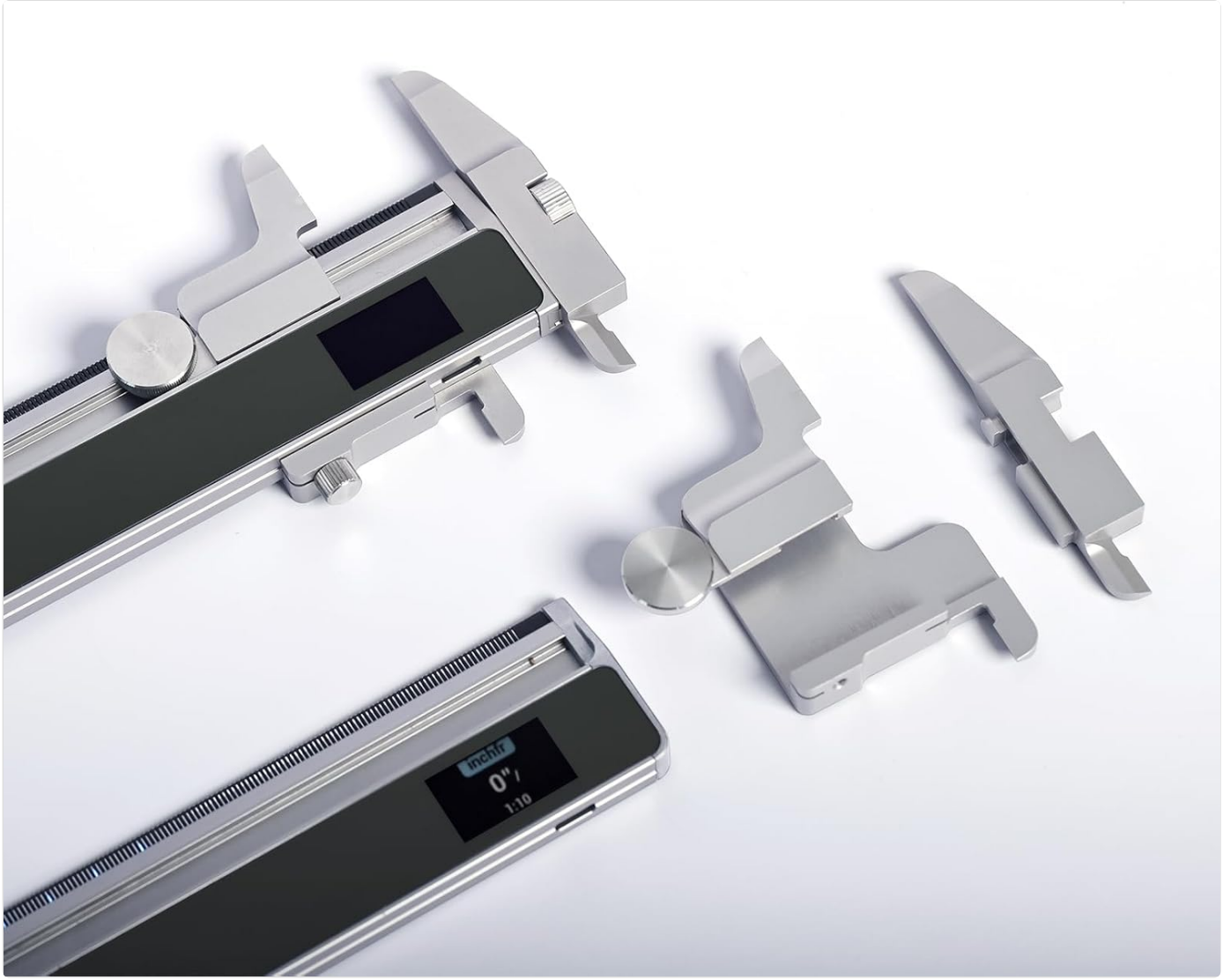



Image: The NeoRuler main unit alongside the detachable NeoCaliper module, illustrating the modular design.

### Initial Charging

Before first use, ensure the NeoRuler is fully charged. Connect the provided USB-C cable to the NeoRuler's charging port and a compatible USB power source. The device features built-in rechargeable batteries.

### Installing the NeoCaliper Module

To use the NeoRuler as a digital caliper, attach the NeoCaliper module to the main NeoRuler unit. Align the module with the designated slot on the NeoRuler and slide it into place until it clicks securely. Use the included screwdrivers if any fasteners require tightening for a firm connection.

### Removing the NeoCaliper Module

To use the NeoRuler as a standalone 12-inch digital ruler, detach the NeoCaliper module. Locate any securing mechanisms (e.g., screws or latches) and disengage them using the provided screwdrivers. Carefully slide the caliper module off the main unit.

## Operation

### Powering On/Off

Press and hold the power button (location typically near the display) to turn the NeoRuler on or off. The LCD screen will illuminate upon activation.

### Basic Measurement

With the NeoCaliper module installed, open the jaws and place the object to be measured between them. Gently close the jaws until they make firm contact with the object. The measurement will be displayed on the LCD screen. The blue linear light will activate during measurement for enhanced visibility.




Image: A hand using the NeoRuler Digital Caliper to precisely measure a small 3D printed car model.




Image: An individual utilizing the NeoRuler Digital Caliper to take measurements on an architectural scale model.

## Switching Units

The NeoRuler allows for quick switching between millimeters and inches with a single button press. Refer to the user interface on the LCD screen for the current unit display and the corresponding button for unit conversion.

## Utilizing Built-in Scales

The NeoRuler comes pre-loaded with 93 built-in scales, including both US Imperial and Metric options, for maximum versatility. Navigate through the available scales using the device's controls to select the appropriate scale for your measurement needs.




Image: A visual representation of the 93 built-in scales, categorized into Metric and US Standard, with various architectural, engineering, and map scales.

## Customizing Infinite Scales via MEAZOR APP

For specialized projects or when standard scales are insufficient, the NeoRuler allows you to define unlimited custom scales. Download the MEAZOR APP to your smartphone or tablet. Connect the NeoRuler to the app via Bluetooth. Within the app, you can create and save your own scale lists and then upload them to your NeoCaliper for use.




Image: A screenshot of the NeoRuler mobile application interface, demonstrating the 'Custom Scale' feature where users can define and manage new scales like '1:87'.

## Data Transfer

Measured data can be transferred directly to the MEAZOR APP for logging, analysis, or further use in your projects. Ensure Bluetooth is enabled on both the NeoRuler and your device for seamless data synchronization.

## Maintenance

### Cleaning

To maintain the accuracy and longevity of your NeoRuler, regularly clean its surfaces. Use a soft, dry cloth to wipe down the device. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the electronic components or charging port. Avoid abrasive cleaners or solvents.

### Battery Care

Recharge the NeoRuler when the battery indicator shows low power. Use only the provided USB-C cable or a certified equivalent. Avoid overcharging or completely draining the battery for extended periods to preserve battery health. Store the device in a cool, dry place when not in use.

### Storage

When not in use, store the NeoRuler and its accessories in the provided Pro Protection Case. This will protect the device from dust, impacts, and environmental damage, ensuring its precision and functionality over time.

## Troubleshooting

### Common Issues and Solutions

- **Device not powering on:** Ensure the battery is charged. Connect the NeoRuler to a USB-C power source and allow it to charge for at least 30 minutes before attempting to power on again.
- **Inaccurate readings:** Check that the caliper jaws are clean and free of debris. Ensure the NeoCaliper module is securely attached. Perform a zero calibration if available (refer to on-screen prompts or app instructions).
- **Bluetooth connectivity issues:** Ensure Bluetooth is enabled on both the NeoRuler and your mobile device. Make sure the NeoRuler is within range of your device. Try restarting both the NeoRuler and your mobile device.
- **Difficulty setting custom scales:** If you encounter issues with setting or downloading custom scales to the caliper, refer to the MEAZOR APP's help section or contact customer support for detailed guidance.

### Contacting Customer Service

If you experience persistent issues or require further assistance, please do not hesitate to contact the HOZO customer service team. Contact information can typically be found on the product packaging or the official HOZO website.

## Specifications

| Feature | Detail |
| --- | --- |
| Brand | HOZO |
| Model Number | N01-U |
| Material | Stainless Steel |
| Product Dimensions | 12"W |
| Measuring Range | 0-10.6 inches (270mm) |
| Measurement Accuracy | ±0.004" (0.1mm) |
| Built-in Scales | 93 (US Imperial, Metric) |

| Feature | Detail |
| --- | --- |
| Custom Scales | Infinite via MEAZOR APP |
| Connectivity | Bluetooth (for MEAZOR APP) |
| Power Source | Battery Powered (1 Lithium Polymer battery included) |
| Charging Port | USB-C |
| Item Weight | 1.9 pounds |
| UPC | 860010191873 |

## Warranty Information

Specific warranty details for the NeoRuler Digital Caliper Kit Premium Combo are typically provided with the product packaging or can be found on the official HOZO website. Please refer to these sources for comprehensive information regarding warranty coverage, terms, and conditions.

## Customer Support

For technical support, product inquiries, or assistance with any aspect of your NeoRuler Digital Caliper Kit, please visit the official HOZO website or refer to the contact information provided in your product documentation. The customer service team is available to assist with any questions or concerns you may have.

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