

## Dasqua 3230-8105-A

# Dasqua 12"/300mm Double Beam Digital Height Gauge User Manual

Model: 3230-8105-A

## INTRODUCTION

This user manual provides comprehensive instructions for the proper setup, operation, and maintenance of your Dasqua 12"/300mm Double Beam Digital Height Gauge. Designed for precision dimensional measurement, this instrument features a robust double-beam structure, a heavy-duty cast iron base, and a carbide-tipped scriber for accurate and stable readings. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

## SAFETY INFORMATION

- Always handle the height gauge with care to prevent damage to the precision components.
- Ensure the work surface is clean, stable, and level before taking measurements.
- Do not expose the digital display or electronic components to excessive moisture or extreme temperatures.
- Keep the carbide-tipped scriber sharp and clean for accurate marking. Handle with caution as it is sharp.
- Store the height gauge in its protective case when not in use to prevent dust and physical damage.

## PRODUCT OVERVIEW AND COMPONENTS

The Dasqua Digital Height Gauge is comprised of several key components designed for precise measurement. Familiarize yourself with these parts for effective operation.



Figure 1: Front view of the Dasqua Digital Height Gauge.



Figure 2: Key structural components including the double-beam and base.

**Digital Display Unit:** Shows measurement readings, units, and mode.

**Double Beams:** Provide enhanced rigidity and stability for consistent measurements.

**Heavy-Duty Cast Iron Base:** Hand-fitted, hardened, and ergonomically designed for stability and a secure grip.

**Carbide-Tipped Scriber:** Used for marking and can be replaced with a dial test indicator.

**Feed Wheel:** Located at the back, allows for smooth and precise fine adjustments.

**Control Buttons:** For power, zero-setting, unit conversion, and mode selection.

## SPECIFICATIONS

Feature	Specification
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Measuring Range	0-12" / 0-300mm
Resolution	0.001" / 0.01mm
Accuracy	±0.04mm
Scriber Length	3.15" / 80mm
Product Dimensions (L x W x H)	9.45 x 5.51 x 19.69 inches
Item Weight	13.23 Pounds (6 Kilograms)
Material	Stainless Steel (Scriber), Cast Iron (Base)
Model Number	3230-8105-A

## SETUP

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- Unpacking:** Carefully remove the height gauge from its packaging. Inspect for any signs of damage during transit.
- Placement:** Place the height gauge on a clean, stable, and level surface. The heavy-duty cast iron base ensures stability, but a firm foundation is crucial for accurate measurements.
- Battery Installation:** If the digital display is not active, install or replace the battery. The battery compartment is typically located on the side or back of the digital unit.



Figure 3: Battery compartment location.

4. **Scriber Attachment/Adjustment:** Ensure the carbide-tipped scriber is securely attached. It can be adjusted for position or replaced if necessary.



Figure 4: Scribe adjustment mechanism.

## OPERATING INSTRUCTIONS

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This section details the functions of the digital display and how to take accurate measurements.



Figure 5: Digital Display and Control Buttons.

## Button Functions:

1. **1. ON/OFF Switch:** Powers the device on or off.
2. **2. ZERO/ABS:** Switches between Absolute (ABS) and Incremental (INC) measurement modes. Press to set the current position as zero in incremental mode.
3. **3. H/DATA:** Holds the displayed value. Can also be used for data output (SPC output).
4. **4. PRESET:** Used to preset an origin value.
5. **5. mm/in:** Toggles between millimeter (mm) and inch (in) measurement units.
6. **6. Direction Arrows (Up/Down):** Used for navigation or setting values in certain modes.

## Taking a Measurement:

1. **Power On:** Press the **ON/OFF** button to turn on the height gauge.
2. **Zero Setting:** Lower the scribe until it makes contact with the reference surface (e.g., surface plate). Press the



**ZERO/ABS** button to set the display to zero. This establishes your reference point.

3. **Select Units:** Press the **mm/in** button to select your desired measurement unit (millimeters or inches).
4. **Adjust Scriber:** Use the feed wheel located at the back of the unit for fine adjustments to move the scriber to the desired height.



Figure 6: Rear view showing the feed wheel.

5. **Read Measurement:** The measurement will be displayed on the digital screen.
6. **Hold Value (Optional):** Press the **H/DATA** button to hold the current reading on the display.
7. **SPC Output (Optional):** The gauge includes SPC output for data transfer. Refer to your SPC software documentation for connection and data transfer procedures.

## MAINTENANCE

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- **Cleaning:** After each use, wipe down the height gauge with a clean, soft, lint-free cloth. For stubborn grime, use a mild, non-abrasive cleaner. Avoid solvents or harsh chemicals that could damage the finish or electronic components.



- **Lubrication:** Periodically apply a thin coat of light machine oil to the guide beams to ensure smooth movement and prevent corrosion.
- **Battery Replacement:** When the display becomes dim or erratic, replace the battery promptly. Use the specified battery type.
- **Scriber Care:** Ensure the carbide-tipped scriber remains sharp. If it becomes dull or damaged, it can be replaced.
- **Storage:** Store the height gauge in its original protective case in a dry, temperature-controlled environment to prevent dust accumulation and physical damage.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Display is blank or dim	Low or dead battery; Device not powered on.	Replace battery; Press ON/OFF button.
Inaccurate readings	Scriber not properly zeroed; Debris on measuring surfaces; Gauge not stable; Damaged scriber.	Re-zero the scriber; Clean all surfaces; Ensure gauge is on a stable surface; Inspect and replace scriber if damaged.
Movement is stiff or rough	Lack of lubrication; Dust or debris on beams.	Clean beams and apply light machine oil; Remove any obstructions.
Cannot switch units (mm/in)	Electronic malfunction.	Try turning the device off and on again. If issue persists, contact customer support.

## WARRANTY AND SUPPORT

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Dasqua products are manufactured to high-quality standards and come with a warranty. For specific warranty terms and conditions, please refer to the warranty letter included with your product or visit the official Dasqua website.



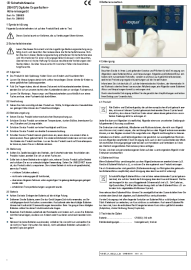
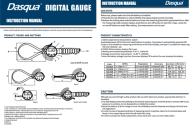


Figure 7: Product packaging and included warranty letter.

For technical support, troubleshooting assistance, or spare parts, please contact Dasqua customer service through their official channels. You can often find contact information on the product packaging, the warranty card, or the Dasqua official website.

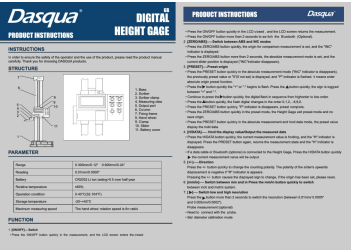
**Dasqua Official Store:** [Visit the Dasqua Store on Amazon](#)



## Related Documents

	<p><a href="#">SB-057 Digital Double Beam Height Gauge: Safety, Handling, and Disposal Instructions</a></p> <p>Comprehensive safety instructions, handling precautions, operating environment guidelines, and disposal procedures for the SB-057 Digital Double Beam Height Gauge by Dasqua. Includes technical data and battery information.</p>
	<p><a href="#">Dasqua Digital Gauge Instruction Manual</a></p> <p>Instruction manual for the Dasqua Digital Gauge, detailing use steps, product characteristics, specifications, and important cautions. Includes model numbers TD230A, TD230B, TD230C.</p>
	<p><a href="#">Dasqua IP65 Waterproof Digital Outside Micrometer: Product Instructions</a></p> <p>Comprehensive product instructions for the Dasqua IP65 Waterproof Digital Outside Micrometer, covering usage, structure, buttons, battery, troubleshooting, and precautions.</p>
	<p><a href="#">SB-009 Digital Level Box: Safety and Operating Instructions</a></p> <p>Comprehensive safety, handling, and disposal instructions for the Dasqua SB-009 Digital Level Box. Learn about proper usage, battery care, and environmental disposal.</p>

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[SB-057 Digital Double Beam Height Gauge: Safety, Handling, and Disposal Instructions](#)

Comprehensive safety instructions, handling precautions, operating environment guidelines, and disposal procedures for the SB-057 Digital Double Beam Height Gauge by Dasqua. Includes technical data and battery information.

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[\[pdf\] Specifications](#)

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