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Dasqua 2220-3575

Dasqua Heavy Duty Digital Caliper User Manual

Model: 2220-3575

Product Overview

The Dasqua 2220-3575 Heavy Duty Digital Caliper is a precision measuring instrument designed for accurate dimensional measurements. It features a sturdy stainless steel construction, a large jaw length, and fine adjustment capabilities, making it suitable for industrial applications. This caliper is manufactured in strict accordance with DIN862 standards and offers both data output and inch-metric conversion functions.



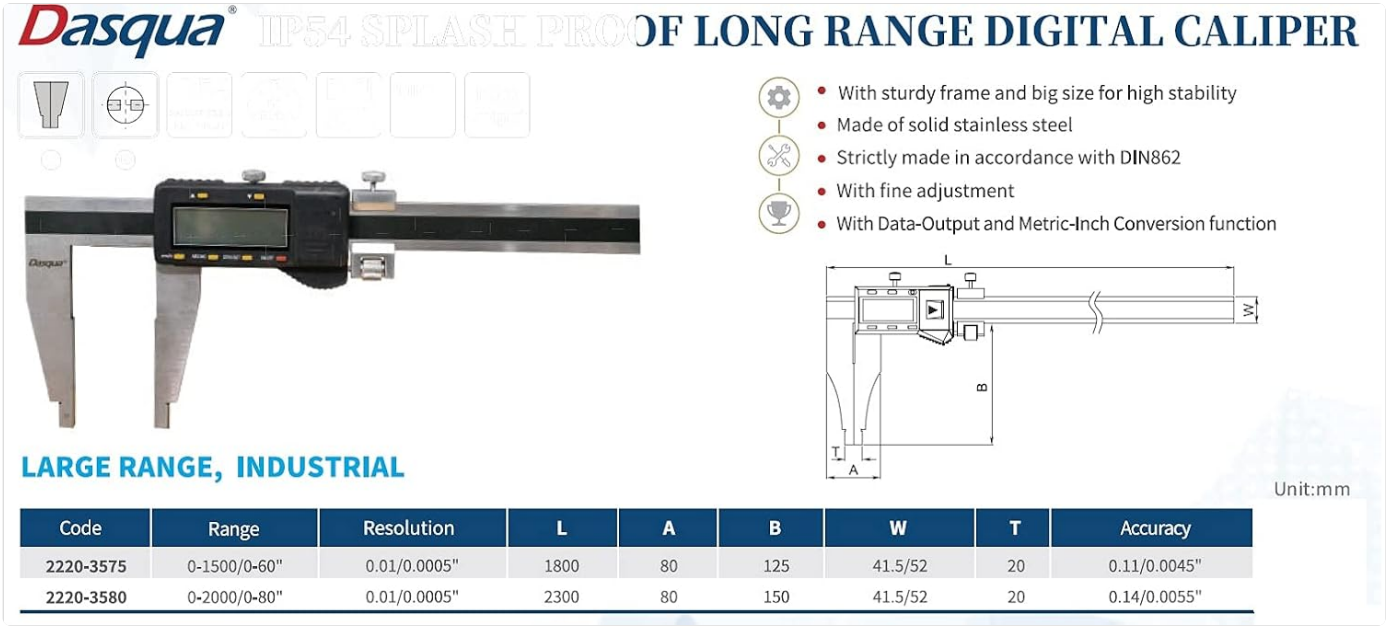
Figure 1: Overview of the Dasqua Heavy Duty Digital Caliper.

What's in the Box

- Dasqua Heavy Duty Digital Caliper with Fine Adjustment

Key Features

- Sturdy frame and large size for enhanced stability.
- Constructed from solid stainless steel for durability.
- Manufactured strictly in accordance with DIN862 standards.
- Equipped with data output functionality.
- Supports seamless inch-metric conversion.



Code	Range	Resolution	L	A	B	W	T	Accuracy
2220-3575	0-1500/0-60"	0.01/0.0005"	1800	80	125	41.5/52	20	0.11/0.0045"
2220-3580	0-2000/0-80"	0.01/0.0005"	2300	80	150	41.5/52	20	0.14/0.0055"

Figure 2: Diagram highlighting key features and dimensions of the caliper.

Setup and Initial Operation

Unpacking and Inspection

Carefully remove the digital caliper from its packaging. Inspect the instrument for any signs of damage during transit. Ensure all components listed in the "What's in the Box" section are present.

Battery Installation (if applicable)

Locate the battery compartment, typically on the digital display unit. Insert the correct battery type with the correct polarity. Close the battery compartment securely.

Powering On and Zeroing

1. Press the **ON/OFF** button to power on the caliper.
2. Close the measuring jaws completely and firmly.
3. Press the **ZERO/SET** button to set the display to zero. This establishes the reference point for all subsequent measurements.



Figure 3: Close-up view of the digital display and control buttons (ON/OFF, ZERO/SET, ABS/INC, mm/in).

Operating Instructions

Measuring Techniques

The Dasqua Digital Caliper can perform external, internal, depth, and step measurements.

- **External Measurement:** Use the large jaws to measure outside dimensions. Ensure the jaws are perpendicular to the workpiece.
- **Internal Measurement:** Use the small upper jaws to measure inside dimensions.
- **Depth Measurement:** Extend the depth rod from the end of the beam into a hole or recess.
- **Step Measurement:** Use the end of the beam and the end of the sliding jaw to measure steps.



Figure 4: The measuring jaws of the caliper, used for external and internal measurements.

Inch/Metric Conversion

Press the **mm/in** button to switch between millimeter and inch display modes. The current unit will be indicated on the digital display.

Absolute/Incremental Measurement

Press the **ABS/INC** button to toggle between absolute and incremental measurement modes. In incremental mode, you can zero the display at any point to measure relative distances.

Fine Adjustment

The caliper is equipped with a fine adjustment mechanism. Use the knurled knob to make precise movements of the sliding jaw for accurate positioning before taking a reading.

Maintenance and Care

- **Cleaning:** After each use, wipe the caliper clean with a soft, lint-free cloth. For stubborn dirt, use a mild, non-abrasive cleaning solution. Avoid using solvents that could damage the display or finish.
- **Lubrication:** Periodically apply a thin film of light machine oil to the sliding surfaces to ensure smooth operation and prevent corrosion.
- **Storage:** Store the caliper in its protective case in a dry, clean environment, away from direct sunlight, extreme temperatures, and corrosive substances.

- **Battery Replacement:** Replace the battery when the display becomes dim or shows a low battery indicator. Refer to the battery installation steps.
- **Calibration:** For critical applications, periodic calibration by a qualified technician is recommended to ensure continued accuracy.



Figure 5: The main beam of the caliper, which should be kept clean and lightly lubricated for optimal performance.

Troubleshooting

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead battery.	Replace the battery. Ensure correct polarity.
Inaccurate readings.	Jaws not properly closed before zeroing; dirt/debris on measuring surfaces; caliper not calibrated.	Ensure jaws are clean and fully closed before zeroing. Clean measuring surfaces. Consider professional calibration.
Sliding jaw movement is stiff.	Lack of lubrication; dirt/debris on the beam.	Clean the beam thoroughly. Apply a thin film of light machine oil to the sliding surfaces.

Specifications

Attribute	Detail

Attribute	Detail
Model Number	2220-3575
Measuring Range	0-1500mm / 0-60 inches
Jaw Length	150mm
Material	Solid Stainless Steel
Compliance	DIN862
Features	Data Output, Inch-Metric Conversion, Fine Adjustment
Product Dimensions	78 x 18 x 10 inches
Product Weight	25 Pounds
Manufacturer	ABS Import Tools Inc.
Country of Origin	China
UPC	769053104812

Warranty and Support

For warranty information and technical support, please contact Dasqua customer service or refer to the official Dasqua website. Keep your purchase receipt as proof of purchase.
Manufacturer: ABS Import Tools Inc.
Brand: Dasqua
For further assistance, please visit the Dasqua Store on Amazon.

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