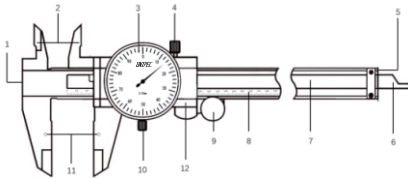


Thank you for choosing Unipex product. In order to ensure the safety of the operator and the use of the product, please read the product instruction manual carefully

STRUCTURES

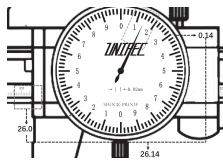
DIAL CALIPER



- | | |
|------------------------|--------------------------|
| 1. Step Measuring Face | 7. Scale Body |
| 2. Internal Jaws | 8. Main scale Scale |
| 3. Dial | 9. Handwheel |
| 4. Locking Screw | 10. Dial lock tight nail |
| 5. Depth Measuring Tip | 11. External Jaws |
| 6. Depth Measuring Rod | 12. Scale Frame |

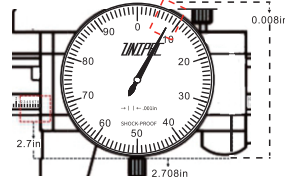
READING

EXAMPLE: DIAL CALIPER



Graduation value: 0.02mm
Main scale value: 26mm
Dial division degree: 0.14mm
Measured value: 26.14mm

Note: (The dial pointer is 7 lattice, that is 0.02*7, read as 0.14mm)



Graduation value: 0.001in
Main scale value: 2.7in
Dial division degree: 0.008in

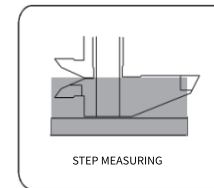
Measured value: 2.708in
Note: (The dial pointer is 8 lattice, that is 0.001*8, read as 0.008in)

Main technical specifications

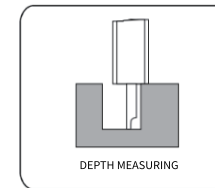
Measuring range	0-150mm	0-6"
Division value	0.02mm	0.001"
Full dial travel	2mm	0.1"
Accuracy	+/-0.02mm	+/-0.001"

DIAL CALIPER

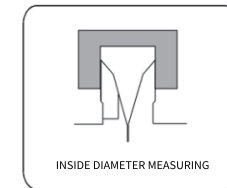
COMMON CALIPER USAGE



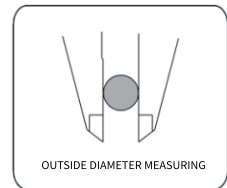
STEP MEASURING



DEPTH MEASURING



INSIDE DIAMETER MEASURING



OUTSIDE DIAMETER MEASURING

CAUTIONS (USE)

- When using, apply the correct measuring force to measure the workpiece according to the situation of the measured object, and it is better to fit the claw and the measured surface just closely. Avoid using the root or tip of the measuring claw to measure, as a large error may occur in this case.
- Before the internal size measurement reading, insert the measuring jaw into the measured features as deep as possible. The maximum display values were read during the inner dimension measurement. The minimum display value is read during the trench width measurement.
- Depth measurement needs to read the minimum value displayed during the measurement process.
- When checking whether the cursor scale dividing line, look at the cursor scale line directly ahead and above it. If the cursor scale line is viewed from the oblique direction, it may cause visual error due to the order height between the caliper level and the main scale, resulting in the artificial error of the measured value.
- Before using the caliper, wipe off the dust and dirt from the sliding and measuring surfaces with a soft dry cloth, then clamp a piece of clean paper between the measuring surfaces and slowly pull it out.

CAUTIONS (MAINTENANCE)

- Caliper claws are sharp so be careful to avoid personal injury.
- After using, bring the caliper claw tip protective cover and put it into the box to avoid touching or falling on the hard object, causing damage to the caliper. The attached caliper claw tip protective cover is not disposable items and can be recycled, do not discard.
- After using the caliper, wipe the water and oil. The rust oil is then applied lightly, and let to dry before storage.
- Avoid storage in direct sunlight, high temperature, low temperature, and high humidity environment. Do not let the measuring surface be completely closed during storage, leaving a gap more than 0.5mm.
- The caliper is adjusted before leaving the factory, and it is not recommended to remove and modify any parts, otherwise the caliper may lose accuracy and measuring function.
- If the caliper is caused by dirt, please clean the main scale first. If it still does not recover after cleaning, please consult our technical personnel, do not forcibly pull and dismantle by yourself.

COMMON QUESTION AND SOLUTION

When measuring the standard block, the reading is different from the standard block.	The caliper itself has systematic error, if the difference between the measurement value and the national standard, it is normal phenomenon.
The caliper reading changes during the incorrect force push bar.	In order to ensure smooth movement, gaps are reserved for the manufacturing of all components. Hard push the frame will make the frame gap uneven, make the frame tilt, resulting in reading changes. If the change value is within the international scope, it is a normal phenomenon.
After the measuring surface is closed, the caliper claw reading is not zero.	Please check whether the measuring surface has sundries and whether the caliper has bumps.

service:

UNIONPEC INC

4280 Odyssey Dr Unit 103, Corona, CA 92883

Model no.: UP-MT-128/UP-MT-129