



## iGAGING 100-164i Dial Calipers Owner's Manual

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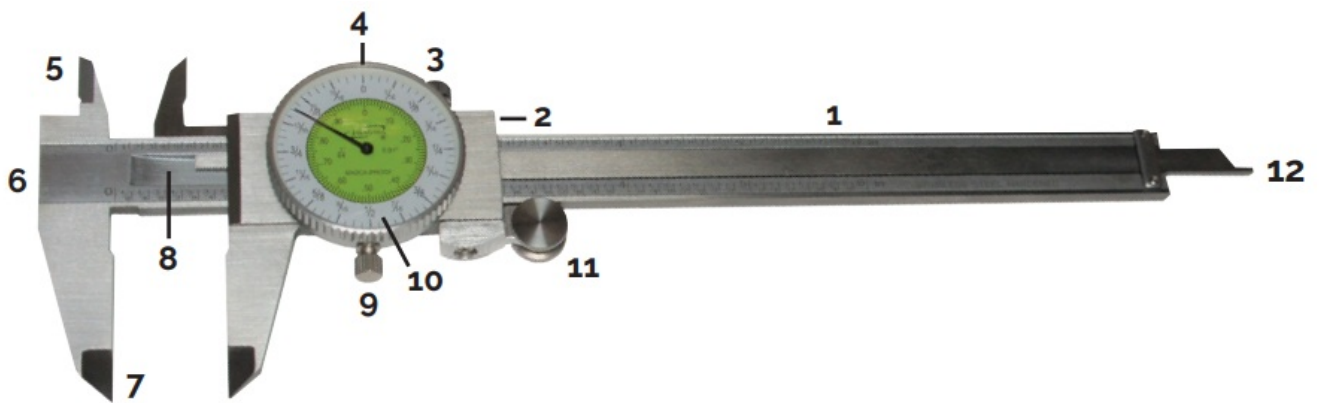


**iGAGING 100-164i Dial Calipers**



Please read through this owner's manual carefully before using the gauge. Use tool properly and only for it's intended use.

## Product Overview



### Table

1. Beam

2. Slider (moveable)

3. Slider locking screw

4. Dial bezel

5. Internal measurement

6. Step measurement

7. External measurement

8. Rack

9. Dial locking screw

10. Dial face

11. Thumb wheel

12. Depth measurement

**Specifications:**

Item #	Range	Resolution	Accuracy
100-164i	0 – 6"	$1/64"$ / 0.01"	0.005"
100-164-8	0 – 8"		
100-164-12	0 – 12"		

## Operating Instruction:

Avoid exerting excessive force when measuring as it may cause an incorrect reading and deformation of the measuring jaws.

### Important Notice:

Take care to avoid contamination of the rack (8) with metal cuttings as it may damage the rack teeth and the pinion gear. Examine the rack on a periodic basis and remove any contaminants. Damage to the rack gears will cause malfunction of the caliper and require repair.

## Zero Setting:

Ensure that the dial hand is on zero when the jaws are closed. This can be adjusted by loosening the dial locking screw (9) and rotating the dial bezel (4) until the zero aligns with the dial hand. Relock the dial face (10) by tightening the dial locking screw (9).

## Method of Reading: Fractional & Decimal

A measurement is obtained by adding the graduation from the beam (1) scale and the reading from the dial hand. Dial face (10) reads in both fractional (black) and decimal (green)

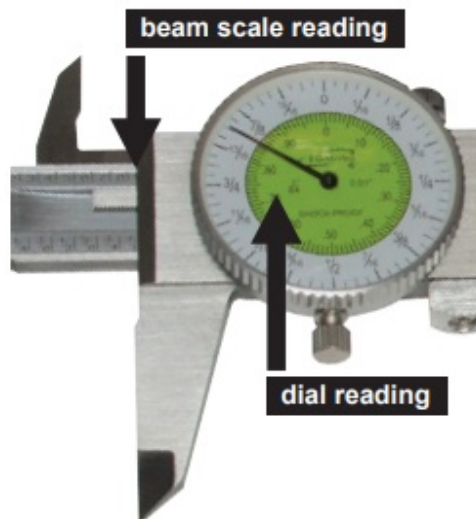
### Example:

- Beam reading: 0 0.80"
- Dial reading:  $27/32"$  0.085"
- Total: 0  $27/32"$  0.885"

## Calibration:

It is recommended that this precision measuring tool be calibrated at a periodic interval as follows:

- Annually
- At an interval that ensures that the accuracy is not compromised between calibrations intervals
- As outlined in your company's quality manual



### Normal Care:

Clean all measuring surfaces and the beam (1) with a dry clean cloth prior to the initial use to remove protective oil.

**CALIFORNIA PROP 65 WARNING:** Products may contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Manufacture supplied information. Information may change without notice. Visit iGAGING.com for more information. © 2022 iGAGING. San Clemente, California USA

### Documents / Resources

	<p><a href="#">iGAGING 100-164i Dial Calipers</a> [pdf] Owner's Manual 100-164i, 164-8, 164-12, 100-164i Dial Calipers, 100-164i, Dial Calipers, Calipers</p>
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### References

- [iGAGING.com](http://iGAGING.com)
- [P65Warnings.ca.gov](http://P65Warnings.ca.gov)