



# OPERATING INSTRUCTIONS

## ELECTRONIC DIGITAL CALIPERS

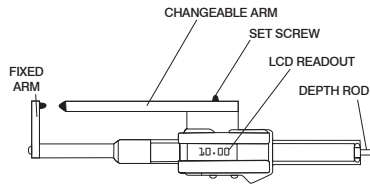
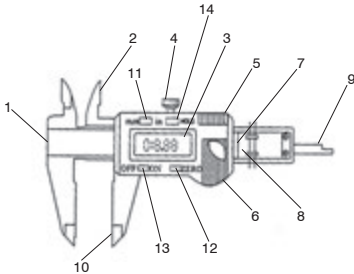
Thank you for purchasing a quality JET Precision Measuring device. Used and cared for correctly, it will give you many years of trouble free service.

### SPECIFICATIONS

Resolution: 0.0005" / 0.01mm  
 Range: 0 – 6" / 150mm (310131)  
 0 – 8" / 200mm (310132)  
 0 – 5" / 125mm (310602  
 Rotor Caliper)  
 0 – 4" / 100mm (310603  
 Wheels On Rotor Caliper)

Power: One 1.5V button cell (SR44, G13A, or equivalent)  
 Measuring speed: < 1.5m/s  
 Working temperature: 0 – +40°C  
 Storage temperature: -10 – +60°C  
 Interface type: Synchronous serial, 24 Bit binary code

### COMPONENTS



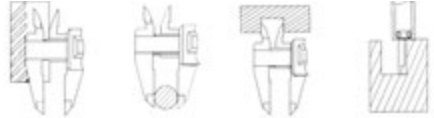
- |                             |                  |                              |               |
|-----------------------------|------------------|------------------------------|---------------|
| 1. Step measuring face      | 5. Data output   | 9. Depth measuring blade     | 13. On/Off    |
| 2. Internal measuring faces | 6. Battery cover | 10. External measuring faces | 14. Data hold |
| 3. LCD display screen       | 7. Slider        | 11. Inch/mm selector         |               |
| 4. Locking screw            | 8. Scale face    | 12. Zero setting             |               |

### FUNCTIONS

- Zero setting at any position – allows quick and easy relative measurements.
- Inch/metric selector – instantly make conversions.
- Hold – freezes display when button is pressed. Useful for holding measurement when display cannot be seen. When active displays H.
- On/Off – these calipers DO NOT have auto off. Must be turned off to avoid battery drain.

## OPERATION

1. Clean all measuring surfaces and scale face.
2. Turn power on.
3. Loosen locking screw and move slider to check that LCD and all function buttons are operating.
4. Select desired units of measure (IN/MM).
5. Close slider until outside measuring faces make contact, then press Zero button.
6. Measure according to diagrams to the right.



### SPECIAL INSTRUCTIONS FOR MODEL 310603 WHEELS ON ROTOR CALIPER

1. **Model 310603** wheels on rotor caliper features an adjustable, changeable sliding arm. This feature allows you to move the LCD readout to the right for improved readability and to use a narrower diameter arm (included) for improved access.
2. To adjust the LCD screen location to the right, loosen the set screw on the sliding arm and move the LCD to the right. Ensure the sliding arm is in the retaining collar far enough to engage the set screw. Tighten set screw, close the calipers until the pointed anvils meet, then press the 0 button. Read measurement on the LCD readout. Note that if the LCD is moved to the right, the measurements shown on the readout will not be the same as shown on the printed scale, and the maximum measuring capacity will be reduced.
3. To calibrate LCD readout with scale, loosen set screw on sliding arm and move LCD to the left, lining up the left edge of the LCD with the 0 line. Slide moving arm until the pointed anvils meet, tighten set screw, then press 0. LCD and printed scale will now show the same measurements.

## MAINTENANCE

Keep your calipers clean. Use a non corrosive, non abrasive cleaner. A light film of machine oil on the sliding parts will ensure smooth functioning.

Never apply voltage or use an electric engraver on the calipers. The electronics may be damaged and will not be covered under warranty.

Abnormal display such as flashing digits, no digits etc indicates a weak or spent battery. To replace battery, simply slide battery cover in direction of arrow and replace. Use model G13A or equivalent. Positive side of battery must face up.

Please note your calipers were shipped with 2 batteries. We recognize the battery in the unit may not be fresh by the time it reaches the consumer. If the battery in your unit is spent, replace it with the spare. A spent battery is not a warranty item.

## TROUBLESHOOTING

TROUBLE	POSSIBLE CAUSES	SOLUTIONS
Flashing digits	Low voltage	Replace battery
No display	1. Low voltage 2. Poor contact	1. Replace battery 2. Clean and adjust battery seat