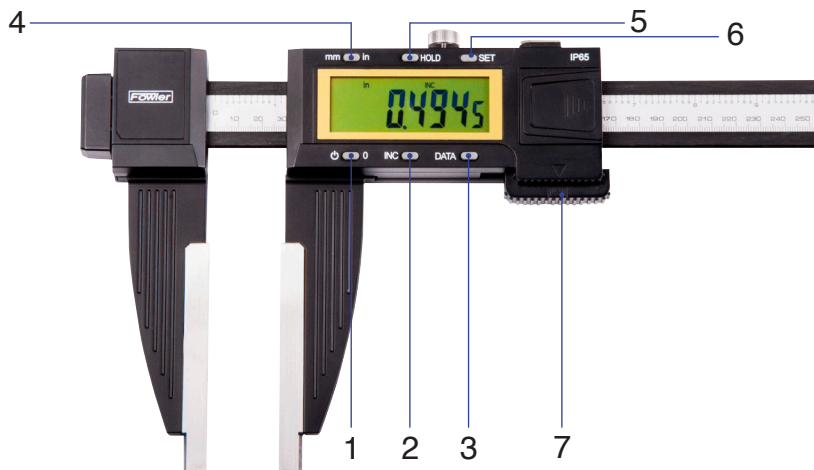Before using this caliper, clean the measuring surfaces with a clean, soft cloth. Please read this manual completely before use.

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Heavy Duty IP65 Carbon Fiber Caliper

Product Features

1. ⏻/0 button: A short press will turn the display on or set zero while on. A long press of more than 3 seconds will turn the display off.

2. INC: A short press will change the display to 0.0000"/0.00mm and INC will appear in the display, indicating the relative or Incremental mode. Another press will switch the display back to Absolute mode and INC will no longer be displayed.

3. DATA: While connected with the cable to a receiving device, a short press will send data.

4. MM/IN: A short press of this button will switch the display reading from inch to metric.

5. HOLD: A short press of this button will lock and unlock the display reading.

6. SET: Used for presetting the display for direct internal readings or any desired reading. A long press of more than 4 seconds will enter the PRESET mode indicated by a flashing "P". Holding this button once again will start the flashing of the first digit to be preset. Each short press of the button will increase the flashing digit by 1. To move to the next location to be set, hold the button down once again. Continue this until all the desired locations are set. Once all the digits have been preset, hold the SET button down until "P" is flashing then release. A short press of the SET button will now toggle the display between the preset number (indicated by "P") and the original absolute location of the movable jaw.

7. Measuring Force Device: Use the measuring force device to apply constant measuring pressure when measuring externally or internally. Simply press in the direction being measured. Be sure to keep the arrow within the lines for accurate measurements.

Product Specifications

Order Number	54-100-124-0	54-100-140-0	54-100-160-0
Measuring Range	0 - 24"/600mm	0 - 40"/1000mm	0 - 60"/1500mm
Jaw Length	5.4"/138mm	5.4"/138mm	5.9"/150mm
ID Nib Size	0.80"/20mm	0.80"/20mm	0.80"/20mm
Accuracy	0.0020"/0.05mm	0.0025"/0.06mm	0.0055"/0.13mm
Weight	2.2 lbs./1 kg.	3.3 lbs./1.5 kg.	4.4 lbs./2kg
Protection Class	IP65		
Absolute Inductive Measuring System	✓		
Response Speed	10.8"/3.3m/sec.		
Battery Life (approx. 1 year)	CR2032, 3 volt lithium battery		
Working Temperature	32° - 104°F/0 - 40°C		
Storage Temperature	-4° - 158°F/-20° - 70°C		

Precautions

- This is a high-quality precision measuring tool, like any other electronic product, appropriate attention is necessary for ideal performance.
- Avoid contact with liquids and exposure to direct sunlight. Do not disassemble and take caution against damaging the measuring surfaces and measuring scale.
- Dispose of expired batteries according to local laws and regulations.
- Clean any contamination using a clean, soft cloth and a small amount of alcohol only.
- If stored or not used for a long length of time, it is best to remove the battery.

Troubleshooting

- **Incorrect measured value:**   Clean the measuring surfaces and reset zero datum. Be sure the surfaces are free from burrs or any other damage.
- **Faint display:**   Replace the battery (voltage is below 2.7V)
- **Mis-counting display:**   Remove the battery for 1 minute and reinstall the battery.

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