### TECHNICAL SPECIFICATIONS

- **Measuring range:** 0–150mm / 0–6"; 0–200mm / 0–8"; 0–300mm / 0–12".
- **Resolution:** 0.01mm / 0.0005".
- **Accuracy:**
  - ±0.02mm / 0.001" (< 100mm).
  - ±0.03mm / 0.001" (> 100–200mm).
  - ±0.04mm / 0.0015" (> 200–300mm).
- **Response time:** 1.5m / sec, 60" / sec.
- **Measuring system:** Linear capacitive measuring system.
- **Display:** LCD display.
- **Power:** One silver oxide battery SR44, 1.5V, capacity: 165mAh.
- **Working temperature:** 5C-40C / 41 to 104 degrees F.
- **Influence of humidity:** Not important under 80% of relative humidity.

### NOMENCLATURE

1. **Internal measuring jaws**
2. **METRIC / INCH change over**
3. **Locking screw**
4. **LCD display**
5. **External measuring jaws**
6. **Power on / off button**
7. **Zero setting**
8. **Battery cover**
9. **Depth measuring blade**
10. **Step-measuring faces**

### OPERATING INSTRUCTIONS

#### PREPARATIONS

1. **Slider can be removed only after the locking screw is loosened.**
2. **Wipe clean all the measuring faces and caliper bar.**
3. **No organic solutions are allowed.**
4. **Check to see if all the buttons, switches, and LCD display respond well.**
5. **Loosen the locking screw.**
6. **Switch the unit on by pressing “on/o” button, or move caliper slider for auto power on, then select the unit by pressing Inch / Metric button.** (Each time the button is pressed, inch and metric digits will be displayed alternately)
7. **Apply internal measuring pressure on slider to close the external measuring jaws.**
8. **Press “zero” button to reset the display to zero.
9. **Press Date hold button to keep measuring data in record.**
10. **Press “on/o” button for power on or the power will auto off when not in use for 5 minutes.

#### MEASUREMENTS

1. **Measurements of internal dimensions:**
2. **Measurements of external dimensions:**
3. **Measurements of depth:**

#### MAINTENANCE INSTRUCTIONS

1. **Clean caliper bar with dry cotton fabrics before using in order to avoid mal display of caliper caused by humidity.**
2. **Keep the caliper clean and dry (liquid can damage the slider).**
3. **Faces should be cleaned gently with cotton fabrics. Never use petrol, acetone, and other organic solvents.**
4. **In order to save power, turn off the unit when caliper is going to stay idle for some time.**
5. **Never apply any electric pressure on any part of the caliper and never use an electric pen for the fear of damaging its chip.**
6. **For other notes please refer to the conventional calipers.**
7. **Accidental wrong display may happen while replacing the battery.**
8. **Just take out the battery and then put it in again after more than 30 seconds until the display returns to normal.**

#### TROUBLE SHOOTING

- **Failure**
  - Flashed digits flash simultaneously, about once per sec.
  - Display doesn’t change when the slider is moved.
  - Accidental trouble in circuit.
  - Dirt in the sensor.

- **Cause**
  - Malfunction of microprocessor (about ± 0.1mm).

- **Measure**
  - Remove battery cover and reset it after 30 sec.
  - Remove slider cover and clean face of sensor with clean compressed air (Digitally).

### BATTERY REPLACEMENT

- **Flashing of digits shows a flat battery.**
- **Take out battery cover in the direction shown by the arrow and replace the battery (positive side facing out).**

#### ELECTRONIC DIGITAL CALIPER