

## INSTRUCTION MANUAL FOR UNIVERSAL DIGITAL CALIPER (208-300)

### ➤ Specification

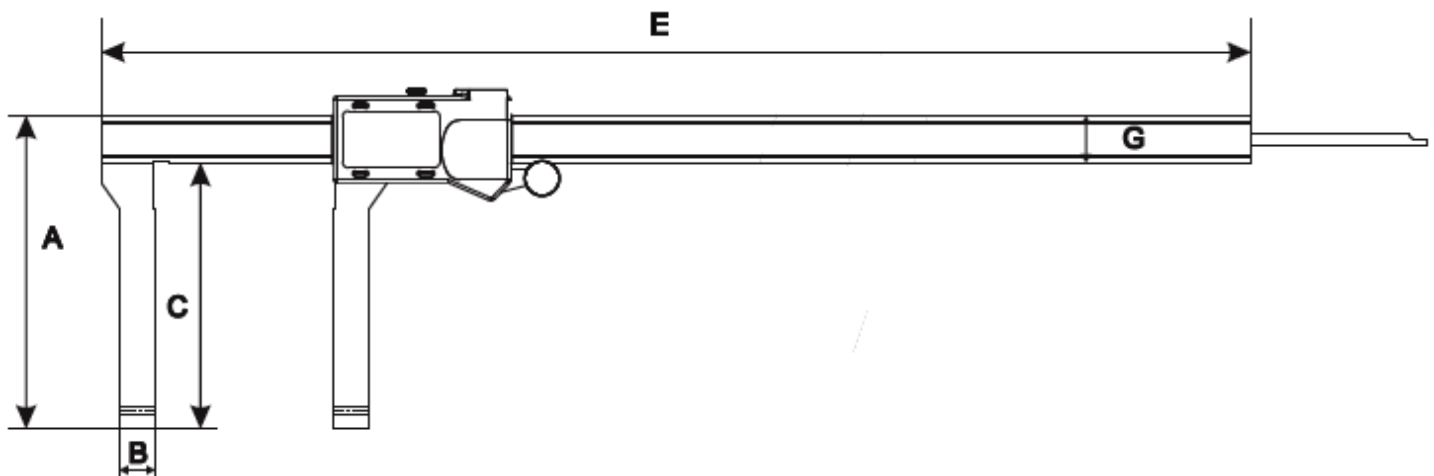
- ✓ This Universal Digital Caliper is design for a measure the inside, outside, center distance and for all this type of measurements.

### ➤ Features

- ✓ Stainless hardened.
- ✓ Various exchangeable measuring tips
- ✓ Left and Right with thread M 2.5.
- ✓ Zero setting any position.
- ✓ MM/inch conversion
- ✓ ON/OFF
- ✓ 1.5v battery

### ➤ Technical Specification

Code	Measuring Range		Jaw Length		Reading	
	mm	Inch	mm	Inch	mm	Inch
208-300	300 mm	12"	90 mm	3.5"	0.01 mm	0.0005"



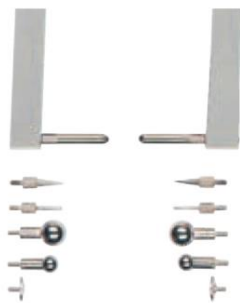
Code	A	B	C	E	G
208-300	106	12	90	389	16

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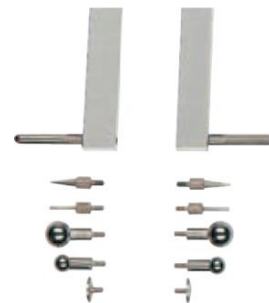
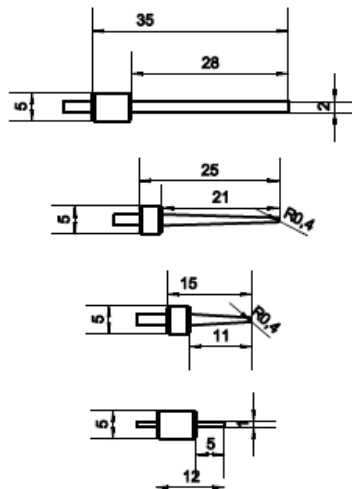
### ➤ Standard Digital Calipers



### ➤ Various Exchangeable Measuring Tips



For External Measurement



For Internal Measurement



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### ➤ Operations

#### 1. Preparation

- ✓ Dry the Surface of the protective sticker and clean the measuring surface or origin-set faces.
- ✓ Loosen the locking screw and move the slider to check if the LCD display and all buttons work properly.

#### 2. Measurement and Reading

- ✓ Press ON/OFF button to turn on the power
- ✓ Press mm/inch button to select the desired unit system.
- ✓ Move the slider to make two outside measuring faces or origin-set faces contact and ZERO by pressing ZERO button
- ✓ Then normal measurement can be taken
  - a) When using an outside groove digital caliper or cylinder outside groove digital caliper to measure a work piece (the diameter of an outside groove), the dimension of the work piece is shown on the LCD display screen of the caliper.
  - b) When using an inside groove digital caliper or cylinder inside groove digital caliper to measure a work piece (the diameter of an outside groove), the dimension of the work piece is the sum of the value shown on the LCD display screen and the width of two fully contact measuring jaws. (The minimum diameter of a hole of a work piece should be over A).
  - c) When using a knifepoint inside groove caliper to measure a work piece (the diameter of an outside groove and the one of an inner hole), the dimension of the work piece is shown on the LCD display screen of the caliper. (The minimum diameter of a hole of a work piece should be over A).
  - d) When using a hook type digital caliper to measure the groove width of a work piece, the diameter of the work piece is shown on the LCD display screen of the caliper. (The minimum diameter of a hole of a work piece should be over A).

### ➤ Battery Replacement

- ✓ Abnormal display (digits flashing or even no display shows a flat battery and should be replaced Take off the cover in the direction shown by the arrow and replace the battery with a new one. If the battery bought from market does not work satisfactorily, (The power may wear down because of the long-term storage or the battery's automatic discharge etc.), please do not hesitate to contact the supplier.

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### NOTE:

1. The Positive pole of the battery must face out.
2. Please preset the starting point of measurement again after the battery replacement.

### ➤ Brief on maintenance :

Troubles	Possible Causes	Solutions
Flashing digits	Low voltage	Replace the battery
No display	1. Low voltage 2. Poor contact	1. Replace the battery 2. Adjust and clean the battery seat
Fixed digits	Accidental trouble in circuit	Take out the battery and out it back after one Minuit



Do not disassemble , short – circuit , charge , or heat th battery. Otherwise it will cause battery explosion and bring harm. If a battery is swallowed , immediatly consult a doctor. The outside and inside measuring jaws of this caliper have a sharp edge ,handle it with great care to avoid injury.

### ➤ IMPORTANT

- ✓ Before using this caliper for the first time, wipe the rust preventive oil from the caliper with a soft cloth.
- ✓ Never apply voltage (e. g. engraving with an electric engraver) on any part of the caliper for fear of damaging the circuit.
- ✓ After use, take corrosion prevention measures. Corrosion will cause the trouble.