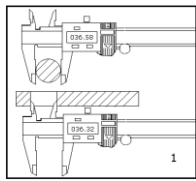


# ELECTRONIC DIGITAL CALIPER

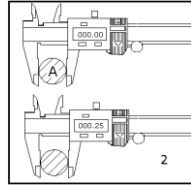
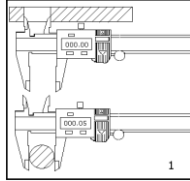
## OPERATING INSTRUCTIONS

● **APPLICATIONS:**

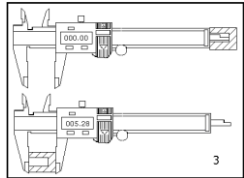
1. Comparisons between plug and hole



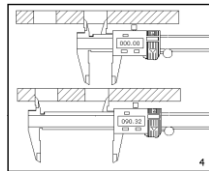
2. Deviation from reference size A



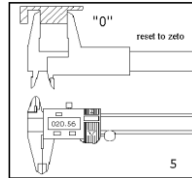
3. Measuring of bottom thickness



4. Measuring of centre distance between two identical holes



5. Measuring where display faces opposite



● **INSTRUCTIONS**

1. Keep body face clean, prevent liquid material from getting into slider to destroy electronics
2. Face should be cleared by petrol., body lubricated by few clock oil. Acetone and alcohol mustn't be used.
3. Don't remove end lid without using output interface. Output end shouldn't be contacted with metal in order to protect electronics against damage.
4. Other notes refer to conventional caliper.

● **SPECIFICATIONS AND FUNCTIONS:**

Measuring range	Resolution
0-150mm/0 - 6"	0.01mm/0.0005"
0-200mm/0 - 8"	0.01mm/0.0005"
0-300mm/0 - 12"	0.01mm/0.0005"
0-500mm/0 - 20"	0.01mm/0.0005"

Measuring range	Accuracy
0-200mm/0 - 8"	0.03mm/0.001"
200-300mm / 8-12"	0.04mm/0.0015"
300-500mm / 12-20"	0.05mm/0.002"

Repeatability: 0.01mm or 0.0005"

Maximum measuring speed: 1.5m/sec or 60"/sec

Measuring system: non contact linear CAP measuring system.

Display: LCD display, minus sign "-", character in 4.7mm/0.185" height for 5digits, small digit "5" and "IN" sign for inch measuring unit.

Battery : one silver oxide battery 1.5V for one year of continuous use. Low of battery warning by flashing display

Operating temperature: 0°C - +40°C

Storage temperature: -20°C - +70°C.

Influence of humidity: not important within 0 to 80% of relative humidity

Data output: serial output for interface with host computer or printer

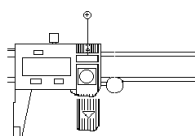
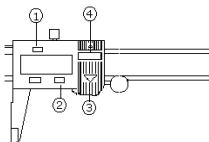
Data processing

Interface (option): Functions: data storage ,processing & printing. with software of quality control.

● **TROUBLE SHOOTING**

Trouble	Cause	Remedy
Five digits jump simultaneously once per second about	Battery voltage is under 1.45V	Remove the cover and replace battery
The display can't count.	Circuit accident	Put out battery and reset it in after 30sec.
Only display 000.00 or IN 00.00	Both function buttons and slider's signal end short out.	Remove the cover, put button's spring in idea condition
Function buttons non active	Spring out of shape caused by violent pressing buttons	Ditto
Reading error for full length is ≤ 0.1mm	Dirts get into sensor .	Remove the cover and slider assembly ,jet sensor's face with clean pressure air (≤ 51kg/cm <sup>2</sup> ), clear it with few petrol for dirt preventing
LCD screen no display	1) Battery hasn't good contact. 2) Battery voltage is under 1.1V	1) Remove the cover. keep good contact for battery 2) Replace battery

1. METRIC/INCH change over (true conversion)
2. Zero setting (zero setting at any position within the measuring range)
3. Battery change cover
4. Data output socket



Battery replacement