

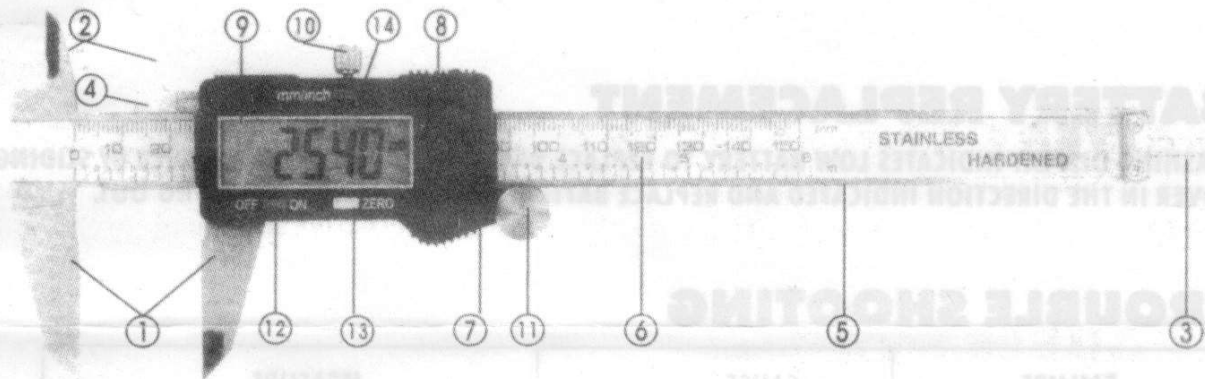
# ELECTRONIC DIGITAL CALLIPER

## • TECHNICAL SPECIFICATIONS

MEASURING RANGE:	0-150MM/0-6IN, 0-200MM/0-8IN
RESOLUTION:	0.01MM/0.0005IN
ACCURACY:	±0.02MM/0.001IN (<100MM) ±0.03MM/0.001IN (>100-200MM)
REPEATABILITY	0.01MM/0.0005IN
MAX MEASURING SPEED:	1.5M/SEC, 60IN/SEC
MEASURING SYSTEM:	LINEAR CAPACITIVE MEASURING SYSTEM
DISPLAY:	LCD DISPLAY
POWER:	ONE ALKALINE LITHIUM BUTTON CELL BATTERY 1.5V, TYPE LR44. CAPACITY - 180MAH
WORKING TEMPERATURE:	5°C - 40°C/41 TO 104 DEGREE F
NOTE:	ACCURACY AFFECTED IN ENVIRONMENTS EXCEEDING 80% RELATIVE HUMIDITY

## • FEATURES

- |                            |                        |                                       |
|----------------------------|------------------------|---------------------------------------|
| 1. EXTERNAL MEASURING JAWS | 6. SAE & METRIC SCALE  | 11. THUMB ROLLER                      |
| 2. INTERNAL MEASURING JAWS | 7. BATTERY COMPARTMENT | 12. ON/OFF SWITCH                     |
| 3. DEPTH BLADE             | 8. OUTPUT CONNECTOR    | 13. ZERO SWITCH                       |
| 4. STEP MEASURING FACES    | 9. LCD DISPLAY         | 14. SAE & METRIC<br>CONVERSION SWITCH |
| 5. BEAM                    | 10. SLIDER CLAMP SCREW |                                       |



## • APPLICATIONS

### 1. OPERATION:

SLIDER CAN BE REMOVED ONLY AFTER THE LOCKING SCREW ( #10 ) IS LOOSENED.

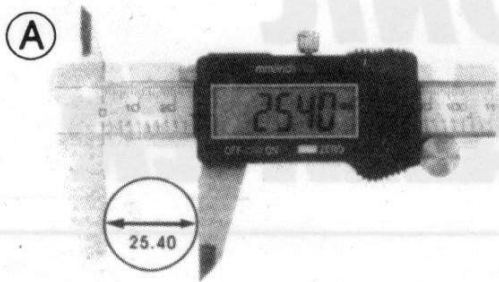
### 2. BASIC MEASURING METHODS:

1) LOOSEN THE LOCKING SCREW

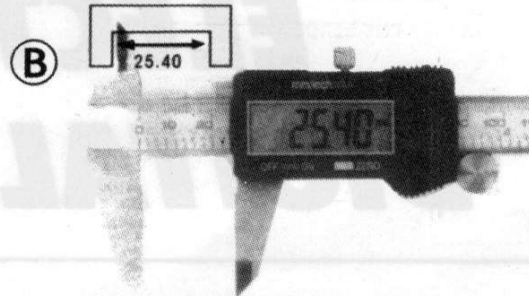
2) PRESS "ON" BUTTON, SELECT SAE OR METRIC MEASUREMENT BY PRESSING "MM/INCH" BUTTON.  
PRESSING "MM/INCH" BUTTON AFTER MEASUREMENT WILL DISPLAY THE SAE/METRIC CONVERSION.

3) TO RESET DISPLAY TO ZERO, CLOSE EXTERNAL MEASURING JAWS, THEN PRESS "ZERO" BUTTON.

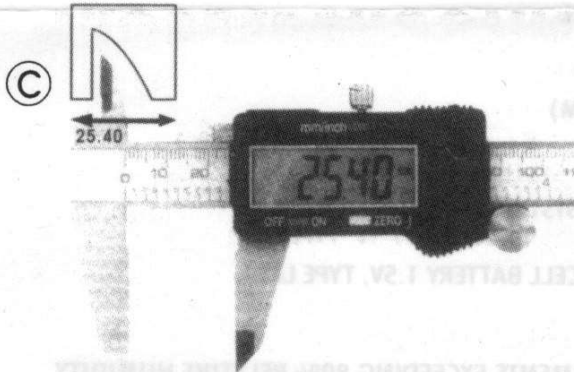
### A. OUTSIDE MEASUREMENT



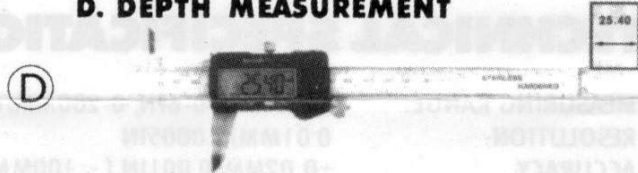
### B. INSIDE MEASUREMENT



### C. STEP MEASUREMENT



### D. DEPTH MEASUREMENT



### E. DIFFERENTIAL MEASUREMENT



## • MAINTENANCE INSTRUCTIONS

1. KEEP THE CALLIPER CLEAN AND DRY (LIQUID CAN DAMAGE THE SLIDER)
2. USE A CLEAN, DRY CLOTH TO CLEAN ALL SURFACES - DO NOT USE SOLVENTS OR SOLVENT BASED CLEANERS.
3. TO SAVE POWER, TURN OFF THE UNIT WHEN NOT IN USE.
4. AVOID CONTACT WITH ELECTRICITY AND/OR ELECTRONIC DEVICES.

## • BATTERY REPLACEMENT

FLASHING DISPLAY INDICATES LOW BATTERY. TO REPLACE BATTERY, REMOVE BATTERY COVER BY SLIDING COVER IN THE DIRECTION INDICATED AND REPLACE BATTERY WITH POSITIVE SIDE FACING OUT.

## • TROUBLE SHOOTING

FAILURE	CAUSE	MEASURE
DISPLAY FLASHES	LOW BATTERY	REPLACE BATTERY
DISPLAY DOES NOT CHANGE WHEN SLIDER IS MOVED	SYSTEM LOCKED	REMOVE BATTERY AND REPLACE AFTER 30 SECONDS TO RESET SYSTEM
ACCURACY LESS THAN +/-0.001MM	DIRT IN THE SENSOR	REMOVE SLIDER COVER AND ITS ASSEMBLY, CLEAN WITH COMPRESSED AIR 5KG/CM <sup>2</sup>
NO DISPLAY ON LCD	1. IMPROPER BATTERY POSITION 2. LOW BATTERY	1. REMOVE BATTERY COVER AND CHECK BATTERY POSITION 2. REPLACE BATTERY.