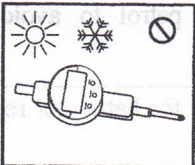
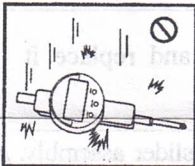
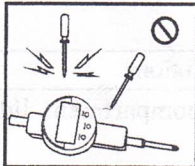
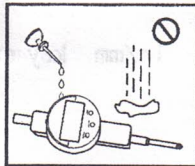


# DIGITAL INDICATOR

## OPERATING PRECAUTIONS

No.616

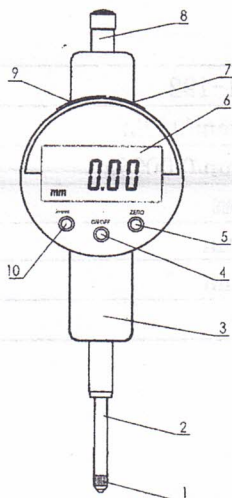
Thank you for purchasing this digital indicator.  
Read the following instructions carefully before using product.



### OPERATING PRECAUTIONS

- Keep indicator face clean, prevent liquid from getting into inside.
- Avoid shocks, impact, dropping etc, otherwise it will damage the appearance and precision.
- Do not operate indicator in direct sunlight. Do not store indicator in an area of extreme high or cold temperature.
- Do not connect any part of digital indicator with voltage, otherwise it will damage the circuit.
- Do not remove end lid without using output interface. Output end should never be connected with metal. Doing so could damage your indicator.
- Use SR44 ( silver oxide cell) battery.
- Must take out the battery if not in use for a long time.

### INDICATOR FEATURES



- |                             |                         |
|-----------------------------|-------------------------|
| 1. Contact point            | 2. Smooth lifting lever |
| 3. Down lifting lever cover | 4. ON/OFF switch        |
| 5. ZERO switch              | 6. LCD display          |
| 7. Output connector         | 8. Lifting lever lid    |
| 9. Battery compartment      | 10. in/mm switch        |

### FUNCTION

- The indicator features in/mm conversion and ZERO setting at any position.
- On the upper right side of the indicator is a serial output, which can interface with a computer or printer via a special converter to process data.

## BEFORE OPERATION

- Before using the indicator for the first time, please wipe the rust preventative oil on the indicator with a soft cloth.
- Remove battery compartment lid and insert SR44 battery with its positive (+) side facing upward.

## OPERATING INSTRUCTIONS

For measurement press the ZERO switch. The mm0.00 or inch0.000 display appears, indicating origin setting is completed. The indicator is now ready for measurements.

For metric/inch conversion a in/mm conversion will be made when pressing in/mm key at any position.

## TROUBLESHOOTING

Failure	Possible Situation	Solutions
Five digits appear simultaneously and change rapidly	Battery power low	Remove battery compartment lid and replace battery
The display does not work (only when changing battery)	Circuit accidental pause caused by poor voltage when fixing battery	Remove battery and replace it after 30 seconds
Reading error for full length is $\leq 0.1\text{mm}$	Dirt has damaged/covered sensor	Remove cover and slider assembly. Apply a small layer of petrol to avoid dirt build-up
Nothing appears on the LCD	Battery has poor contact Battery voltage is under 1.1v	Keep good contact for battery or replace the battery

## SPECIFICATIONS

Model	611-162	611-192
Range	0~25mm/0~1in	0~50mm/0~2in
Resolution	0.01mm/0.0005in	0.01mm/0.0005in
Total Tolerance	0.03mm	0.04mm
Return Tolerance	0.01mm	0.01mm
Repeatability	0.01mm	0.01mm
Measuring force	$< 2\text{N}$	$< 4\text{N}$

Operating temperature:  $0^{\circ}\text{C} \sim +40^{\circ}\text{C}$

Storage temperature:  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Power: 1.5v SR44 (silver oxide cell) 1 battery

Battery life: 1 year continuous usage/ 3 years under normal operation