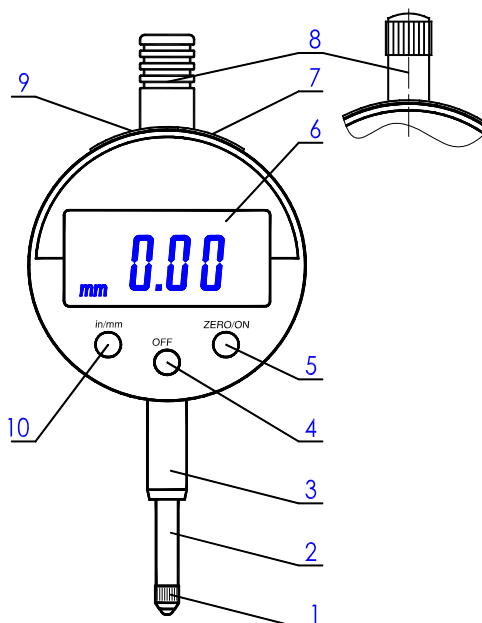


Operating precautions

- Keep the indicator face clean, and away from coolant to insure that liquids do not enter the unit
- Avoid shocks, impact, or dropping. This could cause the accuracy to be compromised.
- Do not operate indicator in direct sunlight. Do not store indicator in an area of extreme high or cold temperature.
- Due to the delicate nature of the circuitry do not allow any part of digital indicator to come in contact with voltage.
- Do not remove the interface cover without using the cable. Output cables connections should never come into contact with metal. Doing so could damage the circuitry
- Use **SR44** (silver oxide cell) battery.
- If the unit is not to be used for a long period of time the battery should be removed.

Indicator features

- | | |
|-----------------------------|------------------------|
| 1. Contact point | 2. Stem |
| 3. Down lifting lever cover | 4. ON/OFF (OFF) switch |
| 5. ZERO (ZERO/ON) switch | 6. LCD display |
| 7. Output connector | 8. Lifting lever cover |
| 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 cable and SPC program to process data. (Cable 40-406)
- The indicator will turn off automatically if no operation takes place with in 4 minutes.
- The indicator can be turned on by pressing **ZERO/ON** key, in/mm key or by moving the lifting lever.

Before operation

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

Operating instructions

For measurement. Press the ZERO/ON switch. The LCD will display 0.00 when in the metric mode or 0.000 when in the imperial mode. This indicates that the origin setting is completed. The indicator is now ready to take measurements.

For metric/inch conversion. The conversion from inch to metric is made when pressing the **in/mm** key. This can be done at any time or at any position.

Troubleshooting

Failure	Possible Situation	Solutions
Five digits appear simultaneously and flashes rapidly	Battery power low	Remove battery compartment lid and replace battery
The display does not work (only when changing battery)	Circuit accidental interruption caused by poor voltage when changing the battery	Remove battery and replace it after 30 seconds
Reading error for full length is $\leq 0.1\text{mm}$	Dirt has damaged the 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	Clean the battery contact or replace the battery

Specifications

Model: 611-141/611-142

Range: 0~12.5mm/0~0.5in

Resolution: 0.01mm/0.0005in

Total Tolerance: 0.03mm/0.001in

Return Tolerance: 0.01mm/0.0005in

Repeatability: 0.01mm/0.0005in

Measuring force: 0.5N~1.5N

Force hysteresis: $\leq 0.5\text{N}$

Operating temperature: 0°C~+40°C

Storage temperature: -20°C~+60°C

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

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

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