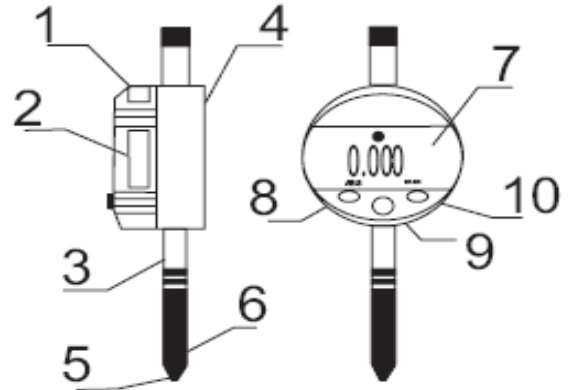


INSTRUCTION MANUAL FOR DIGITAL INDICATOR (301-012)

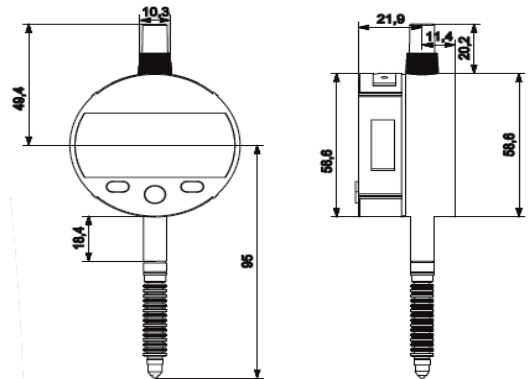
➤ Description

- ✓ 1. Battery holder
- ✓ 2. Data output (with rubber cap)
- ✓ 3. Clamping shaft (diameter 8-h6)
- ✓ 4. Flat back
- ✓ 5. Contact point
- ✓ 6. Spindle (with rubber)
- ✓ 7. LCD
- ✓ 8. MODE button
- ✓ 9. SET button
- ✓ 10. ZERO/ON/OFF button



➤ Features

- ✓ Ip56 protection level
- ✓ Absolute and relative measurement
- ✓ Metric and Inch conversion
- ✓ Origin data set, tolerance set.
- ✓ Measuring direction change with data output.
- ✓ Automatic power off
- ✓ Stem $\varnothing 8\text{mm}$ as standard
- ✓ Temperature: $-10^{\circ} \sim 60^{\circ}$
- ✓ Working temperature : $0 \sim 40^{\circ}$



➤ Technical Specification

Code	Range	Reading	Accuracy
302-012	0-12mm/0-0.5"	0.001mm/0.00005"	0.004 mm
302-025	0-25mm/0-1"	0.001mm/0.00005"	0.004 mm
302-050	0-50mm/0-2"	0.001mm/0.00005"	0.004 mm



INSTRUCTION MANUAL FOR DIGITAL INDICATOR (302-012)

➤ Cautions

- ✓ Clean the body and spindle by dry fabric prior to use and after using.
- ✓ Use correct clamping size at 8H6mm
- ✓ Please use a cloth moistened with alcohol to clean the measuring spindle. Never apply oil to the measuring spindle!
- ✓ Do not disassemble the tools.

➤ General Features

- ✓ Power ON and OFF
 - a) Power ON with battery in
 - b) Press **ZERO/ON/OFF** button
 - c) Long press **ZERO/ON/OFF** button for power OFF
- ✓ Zero setting
 - a) Upon ABS mode, press **ZERO/ON/OFF** Button for zero (or preset value).
 - b) It goes to zero when switching from ABS to INC mode
 - c) No zero setting at INC mode
- ✓ Switching mode between ABS and INC press button **SET** to change mode between ABS & INC. "ABS" displayed at ABS mode, but no mode displayed at INC mode.
- ✓ Replacing battery In case of below situations, please replace with a new battery
 - a) LCD does not display clearly, or digits are twinkling
 - b) No display at all

➤ About Measuring Mode

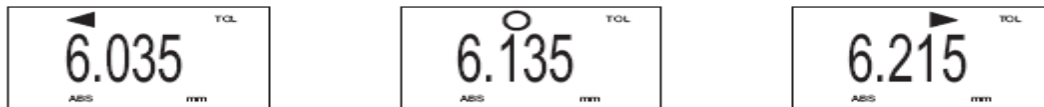
- ✓ There are three modes for optional, <Normal>, <Tol.> and <Max. / Min.>. Press button **MODE** for changing the measuring mode.



- ✓ <Normal>: the mode for normal measuring and function setting

INSTRUCTION MANUAL FOR DIGITAL INDICATOR (302-012)

- ✓ <Tol.>: in case the tol is present
 - a) Icon "TOL" is displayed on this mode. When the reading is within tol, icon "○" is displayed. When it is over upper tol "▶" is displayed."◀" is for smaller than lower tol



- b) No zero setting on <Tol> mode
- c) No ABS/INC switching on <Tol> mode

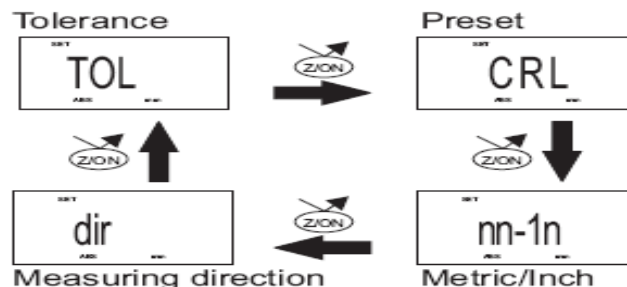
- ✓ <Max. / Min.>: The mode for memorizing and tracing Max. and Min. value
 - a) Icon "MAX" is displayed on this mode. Now the Max. value will be memorized.
 - b) Press button **SET** then "MIN" is displayed , now Min. value will be memorized.
 - c) Press button **SET** then "MAX - MIN" is displayed , it shows the margin between Max. and Min. value.
 - d) If pressing button **ZERO/ON/OFF** the memorized Max. and Min. value can be removed.



- e) No ABS/INC switching on <Max./Min.> mode.
- f) No ABS/INC switching on this mode.

➤ Function and Setting

- ✓ L-press button SET for setting, "SET" is displayed Then press button ZERO/ON/OFF it 's switching within 4 functions, , <Tolerance> "TOL" <preset> "CAL", <metric/ inch> " m-in ", and <measuring direction> "dir"

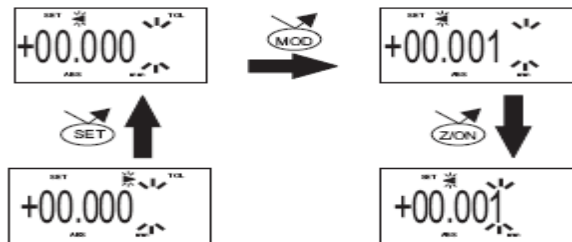


INSTRUCTION MANUAL FOR DIGITAL INDICATOR (302-012)

✓ Tolerance setting "TOL"

- a) Under "SET-TOL" mode, press button **MODE** to set lower tol.

While "◀" icon is blinking. And the last digit is blinking now, then press button **MODE** to modify the number from 0-9. Then press button **ZERO/ON/OFF** to blink the left digit, then set the intended value as above process till finishing all digits.



- b) Press button **SET** again to move to upper tol. Setting, while "▶" icon is blinking, set the intended value as same procedure as lower tol. Setting.

✓ Presetting value "CAL"

- a) Under "SET-CAL" mode, press button to set the present **MODE** value. The last digit is blinking and can be modified from 0 to 9 by pressing button **MODE**.
- b) Press button **ZERO/ON/OFF** to blink the left digit, finish the setting for all other digits per same procedure.
- c) Press button to **SET** quit. The setting can be applied to both metric and inch mode.
- d) If L –press button **ZERO/ON/OFF**, the preset value goes back to zero and preset mode is quitted.

✓ Changing between metric / inch system "mm-in"

- a) Under "SET-mm-in" mode, press button **MODE** to change metric/ inch system. "mm" is blinking on metric system, and "in" is blinking on inch system.
- b) Press button **SET** to quit.



✓ Measuring Direction Setting "dir"

- a) Under "SET-dir" mode, press button **MODE** to change the measuring directly. Sign "+" stands for normal direction. sign "-" stands for reverse direction. "▼" displayed on reverse direction.
- b) Press button **SET** to quit

