**Please read through this instruction carefully before using the tool. Use the tool for its intended purpose only.

Item# 400-D70 : 0-22" Absolute Digital Depth Indicator Set

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Parts:
1. 2 Thread Positions Depth Base
2. Connector (installed on indicator)
3. Digital Indicator (item# 35-700-25)
4. Depth Rods: 1,2,3,4,5,6"
5. Measuring points:
   [flat, needle, & ball (On indicator)]
6. Full set with case

• **Specifications**

Indicator range: 0-1"/25mm   Depth gauge range: 0-22"
Indicator resolution: 0.00005" / 0.001mm
Indicator accuracy: 0.00016"/0.004mm
Indicator repeatability: 0.00005"/0.001mm
Indicator power: 3V, CR2032 Battery
Thread size: #4-48; Stem Dia: 3/8"
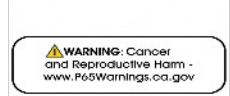
• **Operations**

Indicator: Please refer to iGAGING digital indicator #35-700-25 instruction on indicator usage.
Zero setting: Place the depth gauge on a flat surface; press down the gauge and make sure it is tightly against the
surface; press the Origin key on the indicator for 3 seconds to set zero.

Depth base: 2-position base for easy position exchange.
Connector: screw and un-screw to change position of the indicator on the base.
Depth rods: 1" to 6" rods can add up to 22" in range.
Measuring contacts: Ball, flat, & point.

Zero Setting

• Do not disassemble the instrument.
• Do not subject the instrument to blows or shock.
• Do not store the instrument under direct sun light.
• Avoid exposing unit to strong magnetic fields and live voltage.
• Use soft cloth to clean instrument before and after usage. Never use organic solvents
such as acetone or benzene to clean.

Smart phone scan

www.iGAGING.com   *Enjoy Accuracy®*

Absolute encoder digital indicator always remembers and traces absolute origin zero or preset data. It provides unlimited measure speed and IP54 protection. It will indicate absolute position when turned on and ready to measure. The indicator face is rotatable up to 330°. It comes with SPC/USB data port and can be used with an optional data connector.
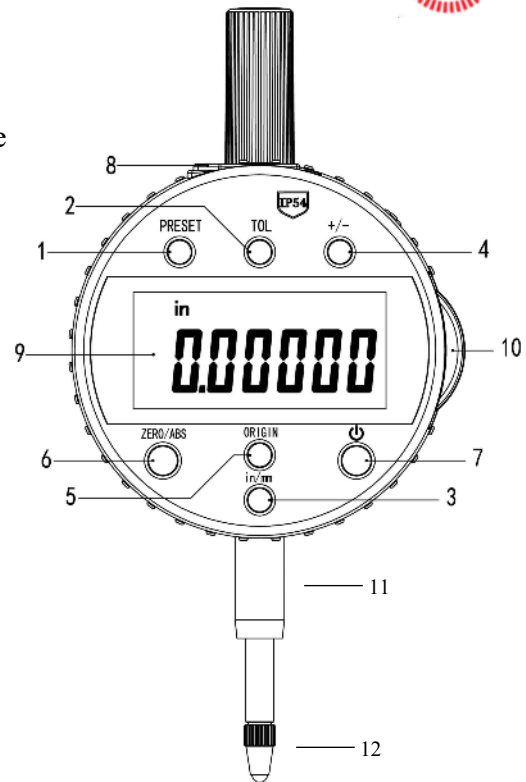
Description

1. Preset: Preset a custom value
2. TOL: tolerance
3. in/mm: interchange between inch and metric reading
4. +/-: Change measurement direction
5. Origin: set Origin Zero
6. Zero/ABS: Switch between incremental and absolute measure
7. ◙ : Power On / Off this gauge
8. SPC/USB data port
9. LCD Digital Display
10. Battery compartment
11. 3/8” diameter shank
12. 4-48 threat ceramic contact point

Specification

Measure range: 0-0.5” (item# 35-700-10)
                0-1”   (item# 35-700-25)
                0-2”   (item# 35-700-50)
Resolution: 0.00005” / 0.001mm
Accuracy: 0.00016” / 0-0.5”
             0.0002” / 0-1”
             0.00023” / 0-2”
Repeatability: 0.00005” / 0.001mm
Battery: 3V CR 2032 battery

Origin Zero: Press the ORIGIN key for 3 seconds to set ZERO.

ZERO/ABS: Press the key to enter Incremental mode, which an additional zero can be set. “INC” will displace on the LCD. Long press the key for 3 seconds to exit the mode, which “INC” will disappear from the display.

Preset:
Long press the “PRESET” key for 3 seconds to enter the preset mode. “P” and “+” will begin to flash. By short pressing “PRESET” key, numerical digits will flash one by one. Press either the “in/mm” or “MIN” to change the value of the flashing digit. “In/mm” to increase, “MIN” to decrease. After complete the presetting process, long press the “PRESET” key to exit PRESET mode. A new preset value has been stored.   Then, long press “ORIGIN” key, the LCD will display the preset value.

Tolerance:
Long press the “TOL” key for 3 seconds to enter the set up mode. “TOL” on the display will begin to flash. By repeating long press “TOL” key, number digits will flash digit by digit. Short press”TOL” key to change number value for each digit. Two numerical values can be entered during the set up. One for maximum tolerance and one for minimum tolerance. The gauge will automatically compare and recognize the two values entered. After completing the first numerical value, “TOL” on display will flash. Short press “TOL” to start the process of entering the second numerical value (repeat the steps from above to set up value digit by digit). As the second value by entered, “TOL” on display will flash; short press “TOL” key to exit set up mode and “TOL” on display will no longer flash.
When using the Tolerance mode: if the measured value is detected less than the minimum tolerance value, Display will show “-NG”. If the measured value is detected more than the maximum tolerance value, display will show “+NG”.   If the measured value is within the max. and min. Tolerance, display will not react.

Care:

- Keep the tool clean and dry. Avoid shocks or impacts.
- Avoid strong magnetic fields. Use with care.

Manufacture supplied information. Information may change without notice.