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

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. Wireless Data Output compatible to most Bluetooth enabled devices.

Description

1. Preset: Preset data
2. TOL: tolerance
3. in/mm: inch and metric unit interchange
4. +/-: Change measuring direction
5. Origin: set Origin zero
6. Wireless Data Output
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 carbide point
13. SmartWireless Signal Indicator
14. Cap

Battery size: 3V CR 2032

Item#	Range	Reading	Accuracy	Repeatability
35-700-B10	0-0.5"	0.00005"/0.001mm	0.00016"	± 0.00005"
35-700-B25	0-1"	0.00005"/0.001mm	0.00016"	± 0.00005"
35-700-B50	0-2"	0.00005"/0.001mm	0.0002"	± 0.00005"
35-705-B10	0-0.5"	0.0005"/0.01mm	0.0005"	± 0.0005"
35-705-B25	0-1"	0.0005"/0.01mm	0.0005"	± 0.0005"
35-705-B50	0-2"	0.0005"/0.01mm	0.001"	± 0.0005"

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.

SmartWireless Data Output: The gauge comes with the Smart Wireless feature built in and can be connected by wireless or directly to a compatible device.

1st time setting: Turn on Bluetooth discovery on a compatible Bluetooth device; turn on the gauge and long press the DATA key for 5 seconds until SmartWireless Signal Indicator blinks. "Bluetooth Keyboard" will appear in Bluethooth discovery selection; select and confirm on pairing on the device. SmartWireless Signal Indicator will stop blinking. Open up an application on the device that take keyboard input like CAD, Excel, or Note, etc. Short press the DATA key to start output measured value; SmartWireless Signal Indicator will blink when transmitting.

Reconnect: Gauge will reconnect to the device by long press (5 seconds) the DATA key in future use.

Trouble shooting: remove and/or replace battery when the displayed value is incorrect, unclear, or no display; carefully clean off the Spindle surface if needed.

Battery replacement: When gauge display is fading or does not power on, please replace the battery using a CR2032 battery. Battery "-" side should face out as the battery is been inserted in to the battery holder.

SPC Data output (optional)

1. The output interface is a standard USB.
2. The instrument can be connected to a computer USB port by using an SPC cable kit, item#100-700-USB or SPC wireless kit, item#35-WL-CAD
3. When not using the interface, always keep the output connect lid in place.

Smart phone scan

- 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.
- Please check with iGAGING for most updated product information.
  Manufacture supplied information. Information may change without notice.

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