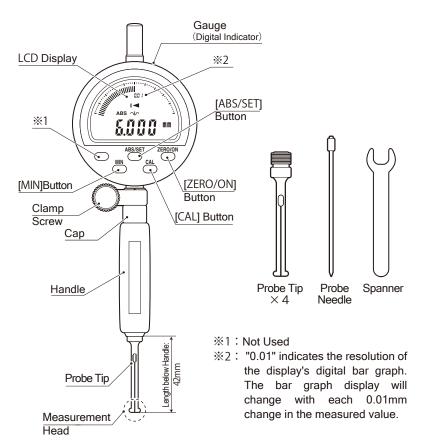
SC DIGITAL BORE GAUGE

Thank you for purchasing the Digital Bore Gauge.

Please read this manual thoroughly before use for proper operation.

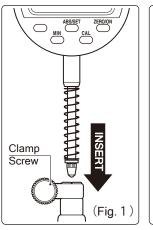
PART IDENTIFICATION



- This is a precision instrument, handle with care.
- Do not disassemble or modify.
- Keep instrument away from water and oil.
- Use only with supplied Probe Tips and Probe Needle.
- Keep instrument away from direct sunlight and high temperatures such as in a car, or near a stove or heat source.
- After use, remove any dirt or cutting chips and apply rust preventative oil to to Probe Tip and Probe Needle. When not in use store in supplied storage case.
- This product is for measuring inside diameter; use only as directed. Improper use may cause accident or injury.
- Avoid using in high electric fields, such as near fluorescent lights or switching power supplies. Electrical interference may cause incorrect readings.

ASSEMBLY

- 1 Loosen the Clamp Screw and insert the Digital Indicator into the gauge body. Tighten the Clamp Screw to secure.
- 2 Insert the Probe Needle into the Probe Tip and screw onto the end of the Handle. Tighten as shown using the Spanner to secure.
- * Select Probe Tip to match the desired measurement range.
- ※ After attaching, press the [ZERO/ON] Button on the Digital Indicator to turn on power. Confirm that the displayed reading changes by gently squeezing the measurement head. lf necessary, adjust the depth that the Digital Indicator is inserted into the gauge body.



SPECIFICATIONS	*:Inclue	ding supplied Digital Gau	
※ Not including quantization error (±1 could be a set of the se			
Model		WCDI-6D	
Measuring Range	(mm)	4-6	
Resolution	(mm)	0.002	
* * Wide Range Acc'y	(µm)	10	
* * Adjacent Error	(µm)	5	
* * Repeat Accuracy	(µm)	3	
Single Stroke Range	e (mm)	0.6	

ACCESSORIES

Weight

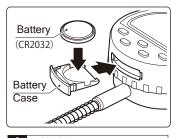
- ●Probe Tip・・・・・ 4.0-4.6mm、 4.5-5.1mm 5.0-5.6mm、5.5-6.1mm(4 pc.)

(g)

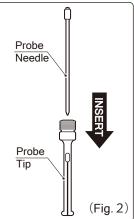
- Probe Needle · · · 1 x % Note: When purchased, Probe Needle is inserted into Measurement Head)
- •Spanner·····1 x
- Battery ······ CR2032 Lithium cell, 1x (for test)

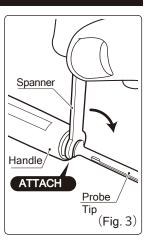
■ INSERTING • REPLACING BATTERY

Pull out the case from the two side edges to remove. Insert battery with (+) side facing down.



▲ NOTICE Use only CR2032 type lithium button cell.





Instruction Manual

Model No.: WCDI-6D

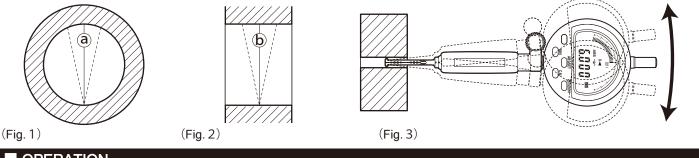
255

ge int)

MEASUREMENT

For accurate measurements, follow the procedure described below.

- In cross section perpendicular to the axis of the bore, as shown in Figure 1, position the gauge along diameter (a). This is the maximum distance, and at this point the Indicator will read the maximum value. The Measurement Head will automatically move to diameter (a) when inserted.
- ② In cross section parallel to to the axis of the bore through diameter (a), position the indicator to minimize the distance (b). (Figure 2) In this position the Indicator will read the minimum value. This position must be manually determined by pivoting the Gauge as shown in Figure 3 while watching the Indicator to find the minimum value.



OPERATION

- ① Before use, please make sure the Measurement Head components are not loose and tighten if necessary.
- ② Clean the Measurement Head and the ID of a Ring Gauge Standard using parts cleaner or cleaning solution.
- ③ Press the [ZERO/ON] Button to turn on power. ※ A long press to the [ZERO/ON] Button will turn power off.

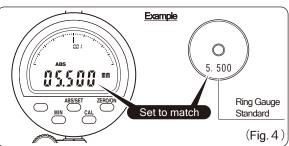
- ① Turn on power. If the " I < " or " 🗸 " symbols are displayed on the LCD, press the [MIN] Button to turn off.
- ② Adjust the "SET" value of the Bore Gauge to match the ID of the Ring Gauge Standard. Press and hold the [ABS/SET] Button until "SET" blinks on the display.
- ③ Continue holding the [ABS/SET] Button and the display character to the left will blink. Use a short press of the [ABS/SET] Button to change the value, and a long press to change the character being modified. Repeat this process to enter the dimension of the Ring Gauge Standard on the LCD display. (Figure 4)
- ④ When the value is entered the flashing position will return to "SET". A short press of the [ABS/SET] Button to turn off the flashing.
- ⁽⁵⁾ Insert the Measurement Head into the Ring Gauge Standard and press the [MIN] Button to put the Indicator into minimum-mode. Slowly pivot the gauge (Figure 3) to display the minimum value.
- ⁽⁶⁾ Remove the gauge from the Ring Gauge and press the [CAL] button until "OK" is momentarily displayed. Preparation for measurement is now complete.
- Put the gauge into the workpiece to be measured, and pivot the gauge slowly. (Figure 3) The LCD will display the measured value. (Figure 5)
 Press the [ON/ZERO] Button momentarily to reset display in preparation to measure the next workpiece.

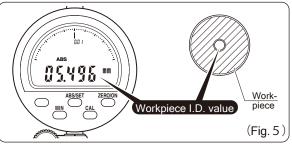
COMPARATIVE MEASUREMENTS ※ Difference between workpiece and reference

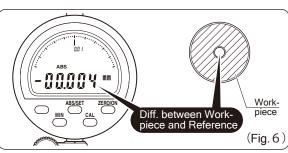
- ② Insert the Measurement Head into the Ring Gauge Standard and press [MIN] Button to put the Indicator into minimum-mode. Slowly pivot the gauge (Figure 3) to display the minimum value.
- ③ Remove the gauge from the Ring Gauge and press the [CAL] button until "OK" is momentarily displayed.

Preparation for measurement is now complete.

- ④ Put the gauge into the workpiece to be measured, and pivot the gauge slowly. (Figure 3) The LCD will display the difference between the measured workpiece and the calibration standard. (Figure 6)
- * Press the [ON/ZERO] Button momentarily to reset display in preparation to measure the next workpiece.







TROUBLESHOOTING

ERROR	CORRECTIVE ACTION
 LCD does not display Displayed value is unstable Display is not clear 	Cycle power by removing and replacing battery. • Replace battery with new one.

% If problem persists, or if you have any questions, please contact distributor or place of purchase.

※ Please note, manufacturer is unable to respond to inquires or provide service directly. Please contact distributor or place of purchase.

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