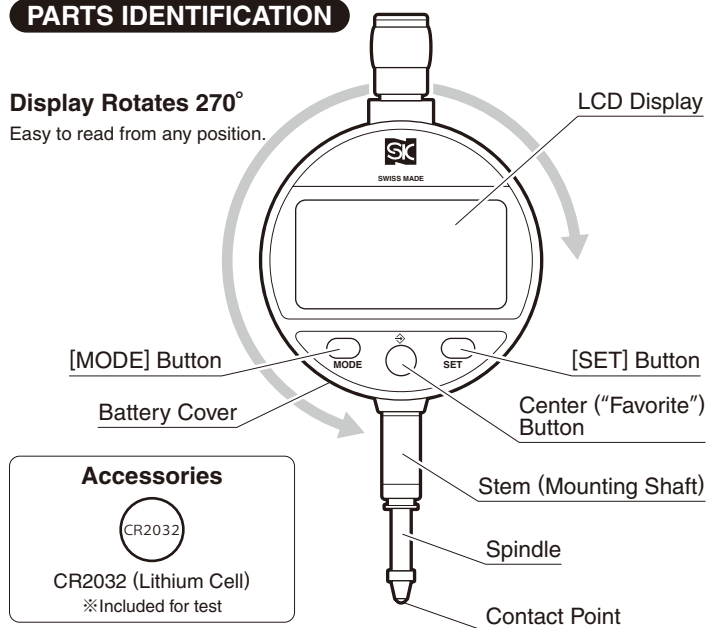Thank you for purchasing the Digital S-Line Indicator.
For proper operation, please read this manual thoroughly before use.

PARTS IDENTIFICATION

Display Rotates 270°
Easy to read from any position.

LCD Display

[MODE] Button

Battery Cover

Center ("Favorite") Button

[SET] Button

Stem (Mounting Shaft)

Spindle

Contact Point

Accessories

CR2032

CR2032 (Lithium Cell)
※Included for test

BATTERY REPLACEMENT

①Remove the (2x) battery screws using (+) PH#0 screwdriver. Place a small standard screwdriver in the notch to gently pry open the cover and slide out the battery.
②Insert the new battery following the polarity markings on the cover.
③Replace Battery Cover and tighten screws to secure.

Battery Cover

Battery

CR2032
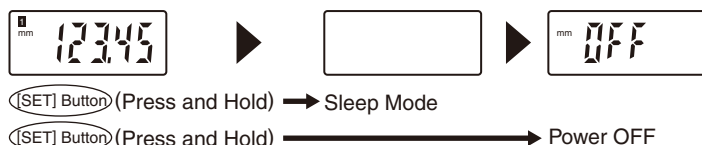
Battery Cover

Notch
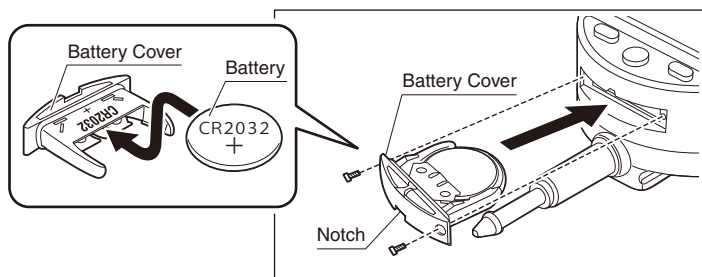
⚠ **NOTICE** Use only CR2032 type battery.

POWER

【Power ON】
Press [MODE], [SET], or Center Button to turn on power.

【Power OFF, Sleep Mode】
Press and Hold the [SET] button to enter Sleep Mode; continue pressing to turn power OFF.

[SET] Button (Press and Hold) ➡ Sleep Mode
[SET] Button (Press and Hold) ➡ Power OFF

※Sleep Mode is entered automatically if gauge is idles for about 20 min.
※To exit Sleep Mode, press any button or move the Spindle.
※When remaining battery level is low, the 『B』 icon is displayed; please replace battery.
※Press and hold [SET] and [MODE] at same time for about 4 sec. to display "CLEAr" and reset all settings (except units, and resolution).

FEATURES

● Tolerance Setting capability
● Calculation capability
● Display rotates 270°
● Programmable "Favorite" Button
  (Can be set for one touch access to frequently used functions.)
● MIN、MAX、MINMAX (DELTA, or TIR) display functions
● Direction of measurement (＋ / －) switchable
● Preset function
● Sleep mode (after approx. 20 min.)
● Made in Switzerland

SPECIFICATIONS

Model No.	DEI-WKS1	DEI-WKS2
Measurement Range	0-12.5mm	
Resolution	0.01mm	0.001mm
Displayed Resolution	0.01mm	0.01mm/0.001mm (switchable)
Accuracy	0.02mm	0.003mm
Measurement Force	Less than 1.5N	
Repeatability	0.002mm	
Mounting Shaft Diameter	ϕ8mm	
Operating Temp. Range	5～40℃	
Power Supply	CR2032 (Lithium cell) ×1	
Weight	115g	

TROUBLESHOOTING

Error Condition	Corrective Action
Measured value is wrong	● Clean measuring surfaces with lens tissue or similar. ● Confirm and re-set 0-Point setting.
● LCD does not display ● Displayed value is unstable ● Display is hard to read	● 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.

HOW TO USE

①Mount indicator securely, such as on optional Magnetic Base, and make sure that the Spindle is perpendicular to the measurement surface.
②Press [MODE], [SET], or Center Button to turn on power.
③Check that the probe is in contact with surface, and refer to the following to set the 0-Point.

  Refer to Function Setup: "Preset Value"
  Refer to Programmable "Favorite" Button: "Zero Set"
  LCD will display "0.00mm"

④With Gauge body held fixed, and the probe in contact with the workpiece, the LCD will display the difference between workpiece and reference plane.

FUNCTION SETUP

【Measurement Display】
Press the [MODE] Button, or Press-and-hold, to access and cycle through the functions as show in the chart below. When the function is displayed, press Center Button to access.
※If no operation is performed after 5 seconds, display will return to measurement screen.

[MODE] Button　　　[MODE] Button Long Press

【REF1 / REF2 Mode】
Two different Zero points, REF1 and REF2 can be used (also Tolerance settings.) This feature is helpful when there are multiple measurement criteria in use at the same time.

To Set
Press Center Button to display REF1 / REF2, then press [SET] to select.

[MODE] Button

【Preset Value】
Any number can be preset for use in setting display during measurement by using this function.

To Set
Press Center Button to move the cursor, and [SET] to change the value of that character. Press [Mode] to enter.

●Press [SET] in measurement screen to set display the preset value.

[MODE] Button

Return to Measurement Display

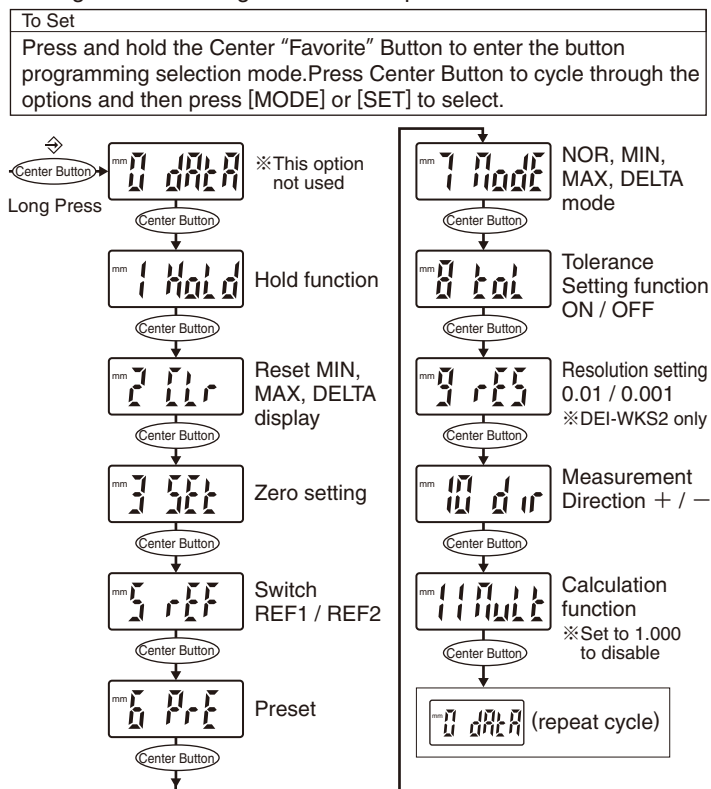## Programmable "Favorite" Button

●Center Button can be programmed to call up a frequently used function with a single press while taking measurements.
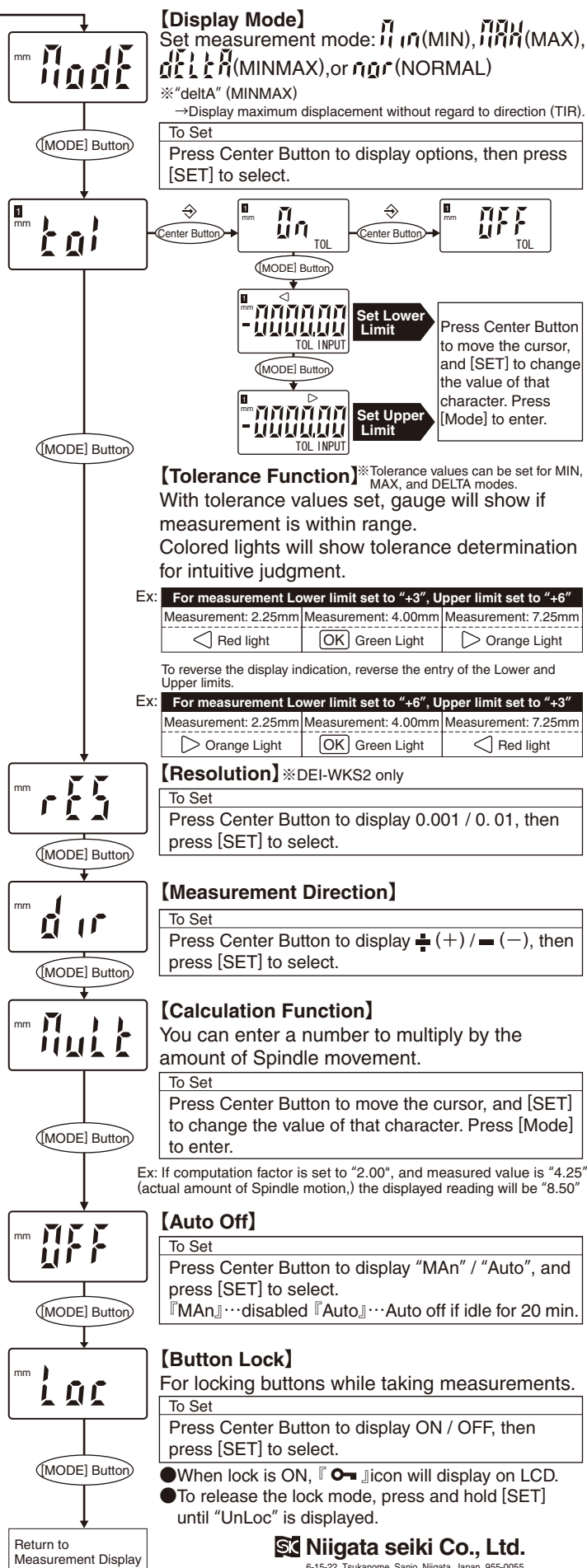※Programmed setting is reset when power is turned off.

To Set
Press and hold the Center "Favorite" Button to enter the button programming selection mode. Press Center Button to cycle through the options and then press [MODE] or [SET] to select.

Center Button Long Press

- `0 dAtA` ※This option not used
- `1 Hold` Hold function
- `2 CLr` Reset MIN, MAX, DELTA display
- `3 SEt` Zero setting
- `5 rEF` Switch REF1 / REF2
- `6 PrE` Preset
- `7 Mode` NOR, MIN, MAX, DELTA mode
- `8 tol` Tolerance Setting function ON / OFF
- `9 rES` Resolution setting 0.01 / 0.001 ※DEI-WKS2 only
- `10 dir` Measurement Direction ＋ / －
- `11 Mult` Calculation function ※Set to 1.000 to disable
- `0 dAtA` (repeat cycle)

⚠ CAUTION

● This is a precision instrument, handle with care. Do not drop or subject to excessive forces.
● Keep away form high voltage and strong magnetic fields; instrument damage may result.
● Do not use or store in direct sunlight or locations with high temperatures such as in a car, or near a stove or heat source.
● When taking measurements, hold gauge securely, such as in magnetic base. (sold separately)
● Please do not disassemble or modify.
● Remove dust and cutting chips after use and apply rust preventative oil to metallic surfaces. Please keep out of reach of children.
● Do not use organic solvents to clean the body of the instrument.
● When not being used for a long period of time, please remove battery.
● Only use as directed. Improper use may cause accident or injury.

【Display Mode】
Set measurement mode: ṁɩn(MIN), MAX(MAX), dELtA(MINMAX), or nor(NORMAL)
※"deltA" (MINMAX)
→Display maximum displacement without regard to direction (TIR).

To Set
Press Center Button to display options, then press [SET] to select.

[MODE] Button

`tol` — Center Button → `On` TOL → Center Button → `OFF` TOL

[MODE] Button

Set Lower Limit `-000000` TOL INPUT

[MODE] Button

Set Upper Limit `-000000` TOL INPUT

Press Center Button to move the cursor, and [SET] to change the value of that character. Press [Mode] to enter.

【Tolerance Function】 ※Tolerance values can be set for MIN, MAX, and DELTA modes.
With tolerance values set, gauge will show if measurement is within range.
Colored lights will show tolerance determination for intuitive judgment.

Ex:
For measurement Lower limit set to "+3", Upper limit set to "+6"		
Measurement: 2.25mm	Measurement: 4.00mm	Measurement: 7.25mm
◁ Red light	OK Green Light	▷ Orange Light

To reverse the display indication, reverse the entry of the Lower and Upper limits.

Ex:
For measurement Lower limit set to "+6", Upper limit set to "+3"		
Measurement: 2.25mm	Measurement: 4.00mm	Measurement: 7.25mm
▷ Orange Light	OK Green Light	◁ Red light

【Resolution】 ※DEI-WKS2 only

To Set
Press Center Button to display 0.001 / 0. 01, then press [SET] to select.

[MODE] Button

【Measurement Direction】

To Set
Press Center Button to display ＋ (＋) / ━ (－), then press [SET] to select.

[MODE] Button

【Calculation Function】
You can enter a number to multiply by the amount of Spindle movement.

To Set
Press Center Button to move the cursor, and [SET] to change the value of that character. Press [Mode] to enter.

[MODE] Button

Ex: If computation factor is set to "2.00", and measured value is "4.25" (actual amount of Spindle motion,) the displayed reading will be "8.50"

【Auto Off】

To Set
Press Center Button to display "MAn" / "Auto", and press [SET] to select.
『MAn』…disabled 『Auto』…Auto off if idle for 20 min.

[MODE] Button

【Button Lock】
For locking buttons while taking measurements.

To Set
Press Center Button to display ON / OFF, then press [SET] to select.

●When lock is ON, 『 ○━ 』icon will display on LCD.
●To release the lock mode, press and hold [SET] until "UnLoc" is displayed.

[MODE] Button

Return to Measurement Display